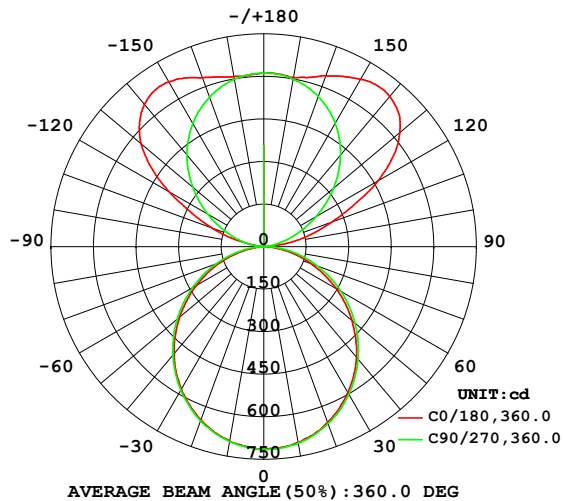


LUMINAIRE PHOTOMETRIC TEST REPORT

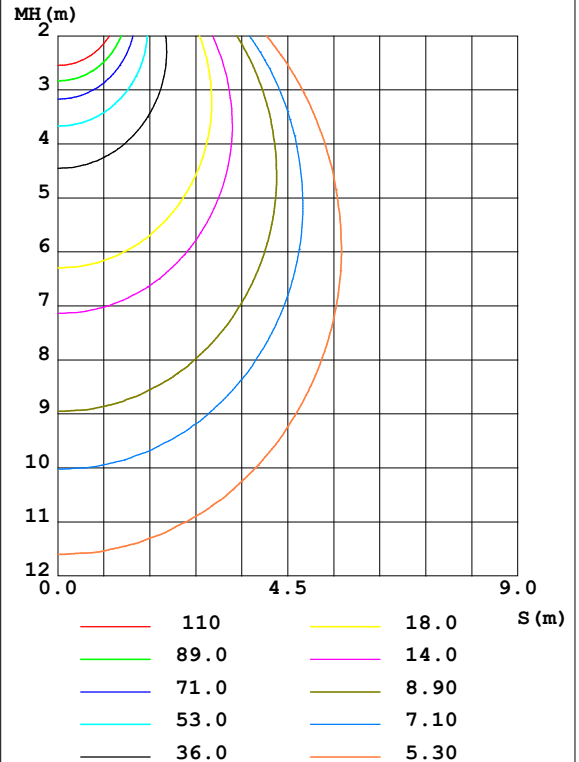
| | | |
|---|----------------|------------------|
| Test:U:119.0V I:0.2510A P:29.50W PF:0.9900 Freq:60.00Hz Lamp Flux:4077.2x1 lm | | |
| NAME: 4FT | TYPE:3000K 5.5 | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1.2*0.07 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 138.21 lm/W | | | |
|------------------|--------|-----------------------------------|---------|------------------------|-----------|
| MODEL | | Imax(cd) | 716.1 | S/MH(C0/180) | 1.24 |
| NOMINAL POWER(W) | 30W | LOR(%) | 100.0 | S/MH(C90/270) | 1.23 |
| RATED VOLTAGE(V) | 120.0 | TOTAL FLUX(lm) | 4077.2 | η UP,DN(C0-180) | 25.7,24.7 |
| NOMINAL FLUX(lm) | 4077.2 | CIE CLASS | DIFFUSE | η UP,DN(C180-360) | 26.2,23.3 |
| LAMPS INSIDE | 1 | η up(%) | 51.9 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 120.0 | η down(%) | 48.1 | CIBSE SHR MAX | 1.35 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

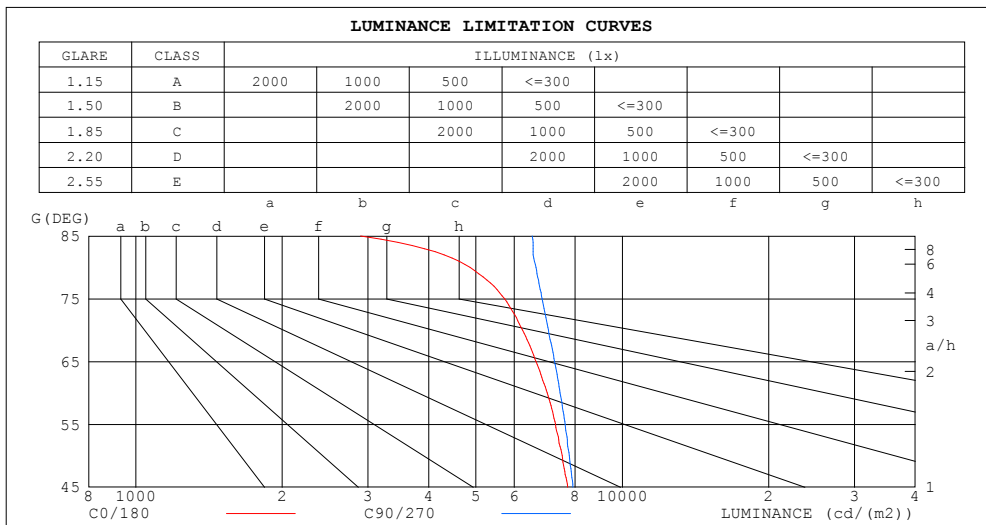
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|--------|-------|-------|-------|----------|-------------|--------------|------------|
| 10 | 701.3 | 704.3 | 703.2 | 703.9 | 695.8 | 696.5 | 697.5 | 697.9 | 0- 10 | 67.53 | 67.53 | 1.66,1.66 |
| 20 | 659.4 | 664.9 | 663.5 | 664.4 | 649.6 | 649.7 | 653.6 | 651.9 | 10- 20 | 192.3 | 259.9 | 6.37,6.37 |
| 30 | 593.8 | 601.9 | 601.0 | 600.2 | 581.1 | 581.0 | 585.5 | 583.5 | 20- 30 | 288.8 | 548.6 | 13.5,13.5 |
| 40 | 509.1 | 518.9 | 518.2 | 516.3 | 491.9 | 492.4 | 499.2 | 496.3 | 30- 40 | 344.0 | 892.6 | 21.9,21.9 |
| 50 | 406.5 | 421.1 | 420.3 | 419.1 | 387.4 | 393.2 | 398.4 | 396.0 | 40- 50 | 352.1 | 1245 | 30.5,30.5 |
| 60 | 294.5 | 311.2 | 312.9 | 308.5 | 274.6 | 279.9 | 290.9 | 283.5 | 50- 60 | 313.5 | 1558 | 38.2,38.2 |
| 70 | 179.1 | 197.3 | 202.5 | 195.4 | 162.1 | 166.9 | 179.9 | 169.3 | 60- 70 | 235.5 | 1794 | 44,44 |
| 80 | 70.95 | 87.01 | 97.00 | 85.46 | 53.67 | 60.65 | 73.33 | 62.52 | 70- 80 | 133.7 | 1927 | 47.3,47.3 |
| 90 | 2.926 | 4.748 | 4.298 | 4.301 | 0.9537 | 3.403 | 1.278 | 4.551 | 80- 90 | 32.53 | 1960 | 48.1,48.1 |
| 100 | 103.5 | 104.2 | 31.56 | 74.59 | 41.40 | 100.6 | 48.56 | 125.8 | 90-100 | 32.26 | 1992 | 48.9,48.9 |
| 110 | 256.6 | 257.6 | 111.9 | 226.9 | 196.4 | 247.5 | 129.5 | 282.6 | 100-110 | 154.0 | 2146 | 52.6,52.6 |
| 120 | 465.5 | 404.8 | 213.9 | 378.0 | 381.8 | 386.7 | 226.0 | 424.0 | 110-120 | 284.6 | 2431 | 59.6,59.6 |
| 130 | 625.9 | 517.4 | 321.3 | 501.2 | 564.6 | 497.0 | 326.7 | 527.5 | 120-130 | 381.3 | 2812 | 69,69 |
| 140 | 691.2 | 573.7 | 421.3 | 567.5 | 654.6 | 553.1 | 421.1 | 574.2 | 130-140 | 404.8 | 3217 | 78.9,78.9 |
| 150 | 681.8 | 594.0 | 503.5 | 587.6 | 670.8 | 572.6 | 501.4 | 589.9 | 140-150 | 359.7 | 3577 | 87.7,87.7 |
| 160 | 640.9 | 594.7 | 563.5 | 594.5 | 634.1 | 585.7 | 560.9 | 589.6 | 150-160 | 273.6 | 3850 | 94.4,94.4 |
| 170 | 606.1 | 599.6 | 599.5 | 600.3 | 608.8 | 599.0 | 599.4 | 600.5 | 160-170 | 169.2 | 4019 | 98.6,98.6 |
| 180 | 610.4 | 610.4 | 610.4 | 610.4 | 610.4 | 610.4 | 610.4 | 610.4 | 170-180 | 57.87 | 4077 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|----------------|------------------|
| Test:U:119.0V I:0.2510A P:29.50W PF:0.9900 Freq:60.00Hz Lamp Flux:4077.2x1 lm | | |
| NAME: 4FT | TYPE:3000K 5.5 | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1.2*0.07 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 2898 | 6531 |
| 80 | 4864 | 6650 |
| 75 | 5731 | 6843 |
| 70 | 6235 | 7048 |
| 65 | 6644 | 7259 |
| 60 | 7011 | 7450 |
| 55 | 7292 | 7629 |
| 50 | 7529 | 7785 |
| 45 | 7727 | 7918 |

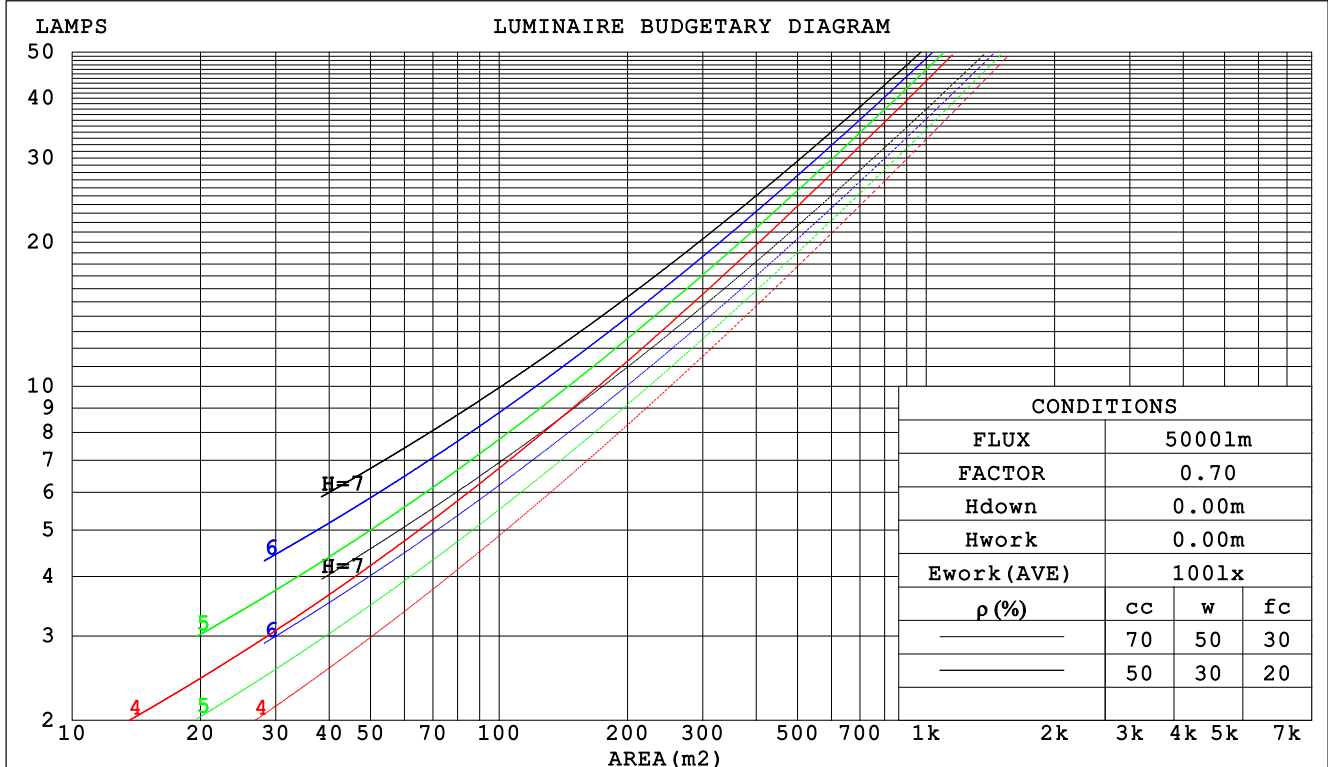
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|----------------|------------------|
| Test:U:119.0V I:0.2510A P:29.50W PF:0.9900 Freq:60.00Hz Lamp Flux:4077.2x1 lm | | |
| NAME: 4FT | TYPE:3000K 5.5 | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1.2*0.07 | Shielding Angle: |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|-----------------------|------|------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | Coefficients of Utilization(CU) | | | | | | | | | | | | |
| 0.0 | 1.07 | 1.07 | 1.07 | .98 | .98 | .98 | .82 | .82 | .82 | .68 | .68 | .68 | .54 | .54 | .54 | .48 |
| 1.0 | .93 | .89 | .86 | .86 | .82 | .79 | .72 | .70 | .67 | .59 | .58 | .56 | .48 | .47 | .46 | .40 |
| 2.0 | .81 | .75 | .70 | .75 | .69 | .65 | .63 | .59 | .56 | .52 | .49 | .47 | .42 | .40 | .38 | .34 |
| 3.0 | .71 | .64 | .58 | .66 | .59 | .54 | .55 | .51 | .47 | .46 | .42 | .39 | .37 | .35 | .33 | .28 |
| 4.0 | .63 | .55 | .49 | .58 | .51 | .46 | .49 | .44 | .40 | .41 | .37 | .34 | .33 | .30 | .28 | .24 |
| 5.0 | .56 | .48 | .42 | .52 | .45 | .39 | .44 | .38 | .34 | .37 | .32 | .29 | .30 | .27 | .24 | .21 |
| 6.0 | .50 | .42 | .36 | .46 | .39 | .34 | .40 | .34 | .30 | .33 | .29 | .25 | .27 | .24 | .21 | .18 |
| 7.0 | .45 | .37 | .32 | .42 | .35 | .30 | .36 | .30 | .26 | .30 | .26 | .22 | .25 | .21 | .19 | .16 |
| 8.0 | .41 | .33 | .28 | .38 | .31 | .26 | .33 | .27 | .23 | .27 | .23 | .20 | .23 | .19 | .17 | .15 |
| 9.0 | .37 | .30 | .25 | .35 | .28 | .23 | .30 | .24 | .21 | .25 | .21 | .18 | .21 | .18 | .15 | .13 |
| 10.0 | .34 | .27 | .22 | .32 | .25 | .21 | .27 | .22 | .19 | .23 | .19 | .16 | .19 | .16 | .14 | .12 |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | | | | |
|---|--|--|----------------|--|------------------|
| Test:U:119.0V I:0.2510A P:29.50W PF:0.9900 Freq:60.00Hz Lamp Flux:4077.2x1 lm | | | | | |
| NAME: 4FT | | | TYPE:3000K 5.5 | | WEIGHT: |
| SPEC.: | | | DIM.: | | SERIAL No.: |
| MFR.: EVERFINE | | | SUR.:1.2*0.07 | | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | |
|------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 | |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients (WEC) | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | |
| 1.0 | .280 | .159 | .050 | .258 | .147 | .047 | .215 | .123 | .039 | .176 | .102 | .033 | .140 | .081 | .026 | | |
| 2.0 | .261 | .143 | .044 | .241 | .133 | .041 | .202 | .112 | .035 | .166 | .093 | .029 | .133 | .075 | .024 | | |
| 3.0 | .242 | .129 | .039 | .223 | .119 | .036 | .188 | .102 | .031 | .155 | .085 | .026 | .124 | .069 | .021 | | |
| 4.0 | .224 | .116 | .034 | .207 | .108 | .032 | .174 | .092 | .028 | .144 | .077 | .023 | .116 | .063 | .019 | | |
| 5.0 | .207 | .106 | .031 | .192 | .098 | .029 | .162 | .084 | .025 | .134 | .071 | .021 | .108 | .058 | .017 | | |
| 6.0 | .193 | .097 | .028 | .178 | .090 | .026 | .151 | .077 | .022 | .125 | .065 | .019 | .100 | .053 | .016 | | |
| 7.0 | .180 | .089 | .025 | .166 | .083 | .024 | .141 | .071 | .020 | .117 | .060 | .017 | .094 | .049 | .014 | | |
| 8.0 | .168 | .082 | .023 | .156 | .077 | .022 | .132 | .066 | .019 | .110 | .055 | .016 | .088 | .045 | .013 | | |
| 9.0 | .158 | .076 | .021 | .146 | .071 | .020 | .124 | .061 | .017 | .103 | .052 | .015 | .083 | .042 | .012 | | |
| 10.0 | .149 | .071 | .020 | .138 | .067 | .019 | .117 | .057 | .016 | .097 | .048 | .014 | .079 | .040 | .011 | | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .586 | .586 | .586 | .501 | .501 | .501 | .342 | .342 | .342 | .196 | .196 | .196 | .063 | .063 | .063 | |
| 1.0 | .577 | .555 | .536 | .494 | .477 | .461 | .338 | .328 | .319 | .194 | .190 | .185 | .062 | .061 | .060 | |
| 2.0 | .570 | .534 | .503 | .488 | .459 | .435 | .334 | .318 | .303 | .193 | .185 | .178 | .062 | .060 | .058 | |
| 3.0 | .563 | .518 | .482 | .483 | .447 | .418 | .331 | .310 | .293 | .191 | .181 | .173 | .061 | .059 | .057 | |
| 4.0 | .556 | .506 | .468 | .477 | .437 | .406 | .328 | .305 | .286 | .190 | .178 | .169 | .061 | .058 | .056 | |
| 5.0 | .550 | .497 | .458 | .472 | .430 | .398 | .325 | .300 | .281 | .188 | .176 | .167 | .061 | .058 | .055 | |
| 6.0 | .543 | .489 | .450 | .467 | .424 | .392 | .322 | .297 | .277 | .187 | .174 | .165 | .060 | .057 | .054 | |
| 7.0 | .537 | .483 | .445 | .462 | .419 | .388 | .319 | .294 | .275 | .186 | .173 | .164 | .060 | .057 | .054 | |
| 8.0 | .532 | .478 | .441 | .458 | .415 | .384 | .317 | .291 | .273 | .184 | .172 | .162 | .060 | .056 | .054 | |
| 9.0 | .527 | .474 | .438 | .454 | .411 | .382 | .314 | .289 | .271 | .183 | .171 | .162 | .059 | .056 | .054 | |
| 10.0 | .521 | .470 | .435 | .450 | .408 | .380 | .312 | .287 | .270 | .182 | .170 | .161 | .059 | .056 | .053 | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|----------------|----------------|------|------------------|------|------|
| Test:U:119.0V I:0.2510A P:29.50W PF:0.9900 Freq:60.00Hz Lamp Flux:4077.2x1 lm | | | | | | | | | | |
| NAME: 4FT | | | | | TYPE:3000K 5.5 | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: EVERFINE | | | | | SUR.:1.2*0.07 | | | 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 | 16.5 | 17.4 | 17.3 | 18.3 | 19.4 | 16.7 | 17.6 | 17.5 | 18.5 | 19.6 |
| 3H | 17.8 | 18.6 | 18.7 | 19.5 | 20.7 | 18.2 | 19.0 | 19.1 | 19.9 | 21.0 |
| 4H | 18.3 | 19.1 | 19.2 | 20.0 | 21.2 | 18.8 | 19.5 | 19.7 | 20.5 | 21.6 |
| 6H | 18.6 | 19.3 | 19.6 | 20.3 | 21.5 | 19.3 | 20.0 | 20.2 | 20.9 | 22.1 |
| 8H | 18.7 | 19.4 | 19.6 | 20.3 | 21.5 | 19.4 | 20.1 | 20.4 | 21.0 | 22.3 |
| 12H | 18.7 | 19.3 | 19.6 | 20.3 | 21.5 | 19.5 | 20.2 | 20.5 | 21.1 | 22.4 |
| 4H 2H | 16.9 | 17.7 | 17.9 | 18.6 | 19.8 | 17.1 | 17.9 | 18.0 | 18.8 | 20.0 |
| 3H | 18.5 | 19.1 | 19.4 | 20.1 | 21.3 | 18.8 | 19.4 | 19.7 | 20.4 | 21.6 |
| 4H | 19.1 | 19.7 | 20.1 | 20.6 | 21.9 | 19.5 | 20.1 | 20.5 | 21.0 | 22.3 |
| 6H | 19.5 | 20.0 | 20.5 | 21.0 | 22.3 | 20.1 | 20.6 | 21.1 | 21.6 | 22.9 |
| 8H | 19.6 | 20.1 | 20.6 | 21.1 | 22.4 | 20.3 | 20.8 | 21.3 | 21.8 | 23.1 |
| 12H | 19.6 | 20.0 | 20.6 | 21.0 | 22.3 | 20.5 | 20.9 | 21.5 | 21.9 | 23.2 |
| 8H 4H | 19.3 | 19.7 | 20.3 | 20.7 | 22.0 | 19.6 | 20.1 | 20.6 | 21.1 | 22.4 |
| 6H | 19.8 | 20.2 | 20.8 | 21.2 | 22.6 | 20.4 | 20.8 | 21.4 | 21.8 | 23.1 |
| 8H | 20.0 | 20.3 | 21.0 | 21.4 | 22.7 | 20.7 | 21.0 | 21.7 | 22.0 | 23.4 |
| 12H | 20.1 | 20.3 | 21.1 | 21.4 | 22.7 | 20.9 | 21.2 | 22.0 | 22.3 | 23.6 |
| 12H 4H | 19.2 | 19.7 | 20.3 | 20.7 | 22.0 | 19.6 | 20.0 | 20.6 | 21.0 | 22.3 |
| 6H | 19.9 | 20.2 | 20.9 | 21.2 | 22.6 | 20.4 | 20.7 | 21.4 | 21.7 | 23.1 |
| 8H | 20.1 | 20.4 | 21.1 | 21.4 | 22.8 | 20.7 | 21.0 | 21.8 | 22.1 | 23.4 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.1 / - 0.3 | | | | |

CIE Pub.117 Corrected 4077 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.9)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|----------------|------------------|
| Test:U:119.0V I:0.2510A P:29.50W PF:0.9900 Freq:60.00Hz Lamp Flux:4077.2x1 lm | | |
| NAME: 4FT | TYPE:3000K 5.5 | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1.2*0.07 | Shielding Angle: |

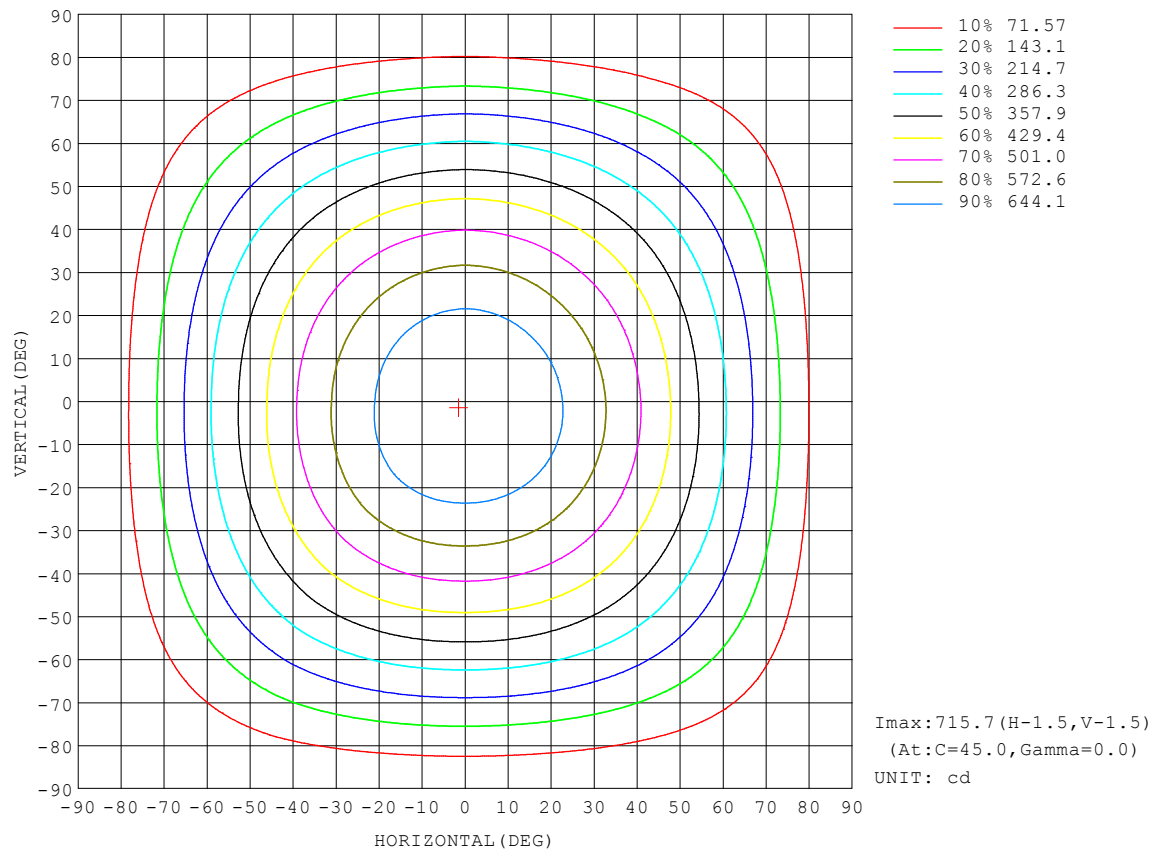
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 43 | 33 | 26 | 41 | 31 | 25 | 37 | 28 | 23 | 16 |
| 0.80 | 53 | 41 | 34 | 50 | 39 | 33 | 44 | 35 | 30 | 20 |
| 1.00 | 61 | 49 | 42 | 57 | 47 | 40 | 49 | 43 | 36 | 24 |
| 1.25 | 68 | 57 | 49 | 63 | 53 | 47 | 54 | 47 | 42 | 28 |
| 1.50 | 73 | 62 | 55 | 68 | 58 | 52 | 58 | 51 | 46 | 30 |
| 2.00 | 80 | 71 | 64 | 74 | 66 | 60 | 63 | 57 | 53 | 34 |
| 2.50 | 84 | 76 | 69 | 78 | 71 | 65 | 66 | 61 | 57 | 36 |
| 3.00 | 88 | 80 | 74 | 81 | 75 | 69 | 69 | 64 | 60 | 38 |
| 4.00 | 92 | 86 | 81 | 85 | 80 | 75 | 72 | 68 | 65 | 40 |
| 5.00 | 95 | 90 | 85 | 87 | 83 | 79 | 74 | 71 | 68 | 42 |
| ROOM INDEX | UF (total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|----------------|------------------|
| Test:U:119.0V I:0.2510A P:29.50W PF:0.9900 Freq:60.00Hz Lamp Flux:4077.2x1 lm | | |
| NAME: 4FT | TYPE:3000K 5.5 | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1.2*0.07 | Shielding Angle: |

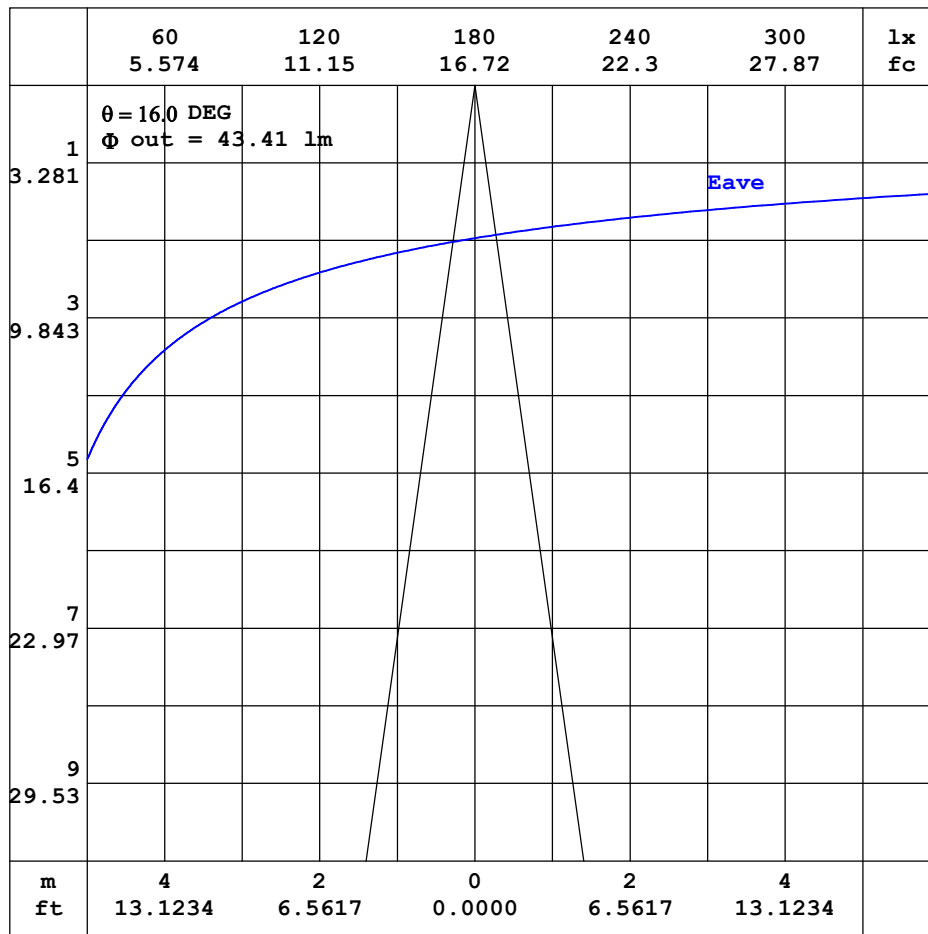


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

AAI CURVES

| | | |
|---|----------------|------------------|
| Test:U:119.0V I:0.2510A P:29.50W PF:0.9900 Freq:60.00Hz Lamp Flux:4077.2x1 lm | | |
| NAME: 4FT | TYPE:3000K 5.5 | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1.2*0.07 | Shielding Angle: |



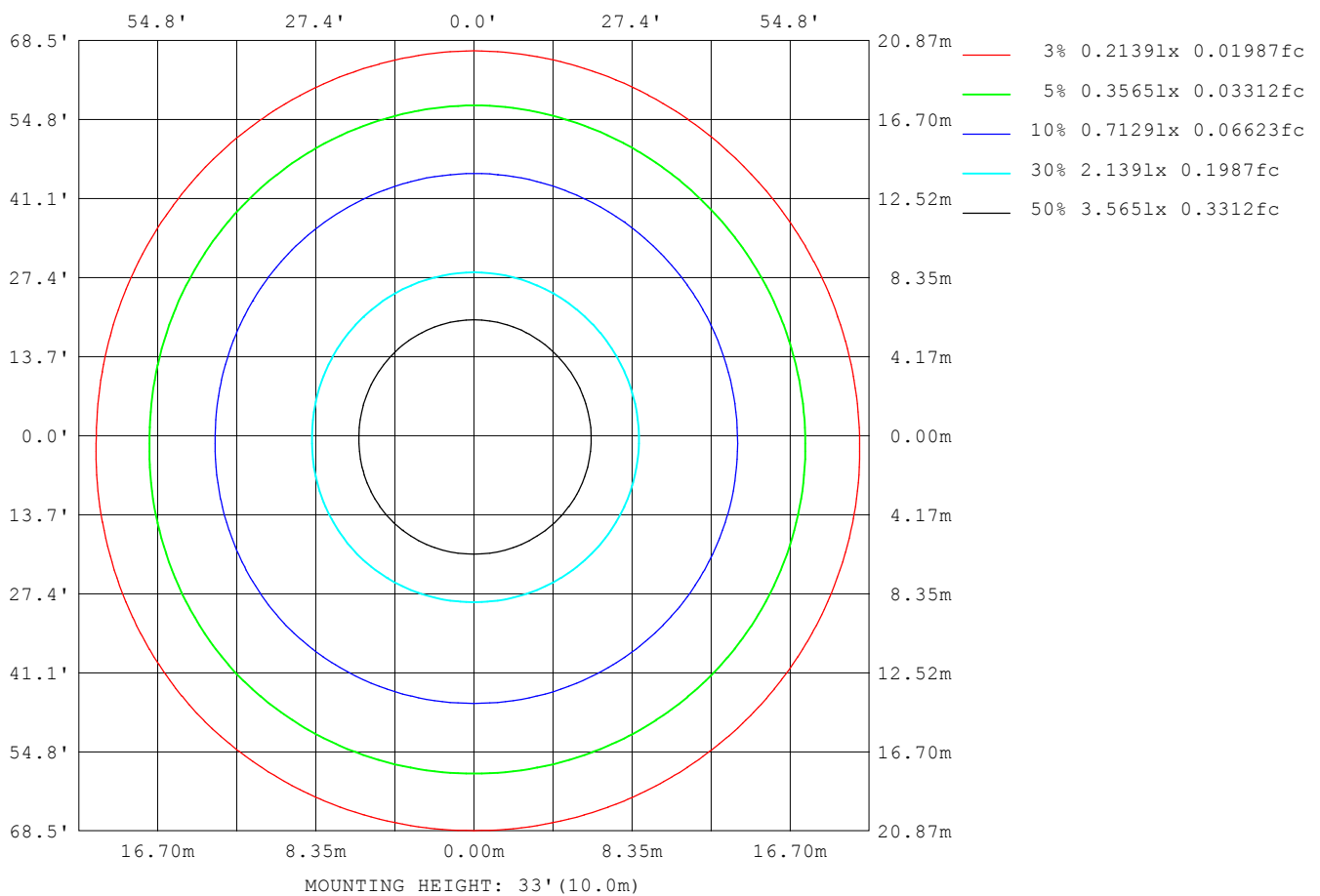
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|---|----------------|------------------|
| Test:U:119.0V I:0.2510A P:29.50W PF:0.9900 Freq:60.00Hz Lamp Flux:4077.2x1 lm | | |
| NAME: 4FT | TYPE:3000K 5.5 | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1.2*0.07 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|---|----------------|------------------|
| Test:U:119.0V I:0.2510A P:29.50W PF:0.9900 Freq:60.00Hz Lamp Flux:4077.2x1 lm | | |
| NAME: 4FT | TYPE:3000K 5.5 | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1.2*0.07 | Shielding Angle: |

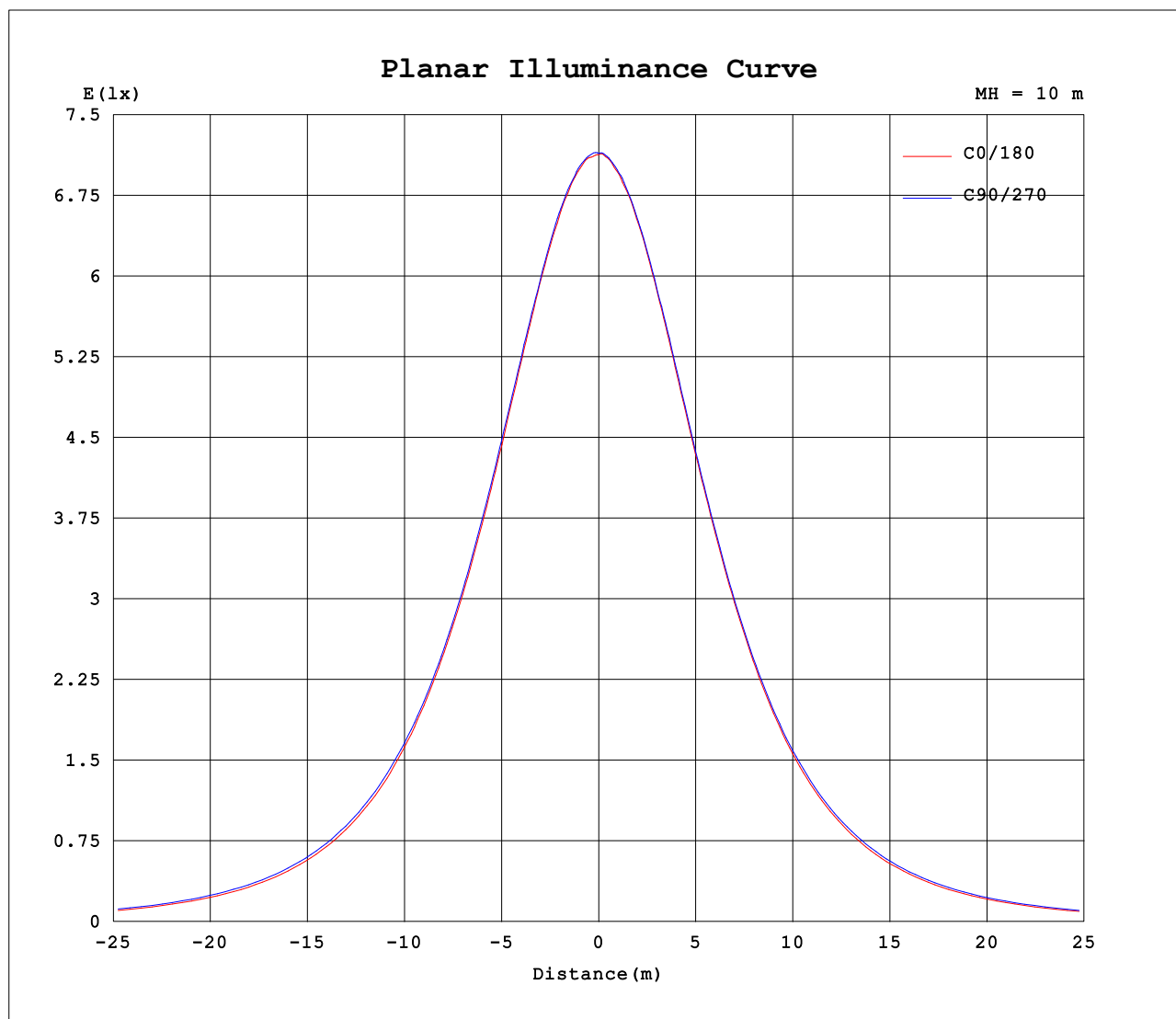
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 6396 |
| L_0~180 (75) av | 5299 |
| L_0~180 (85) av | 2078 |
| L_90~270 (65) av | 6943 |
| L_90~270 (75) av | 6286 |
| L_90~270 (85) av | 4972 |
| L_45 (65) av | 6734 |
| L_45 (75) av | 5827 |
| L_45 (85) av | 3375 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------------|------------------|
| Test:U:119.0V I:0.2510A P:29.50W PF:0.9900 Freq:60.00Hz Lamp Flux:4077.2x1 lm | | |
| NAME: 4FT | TYPE:3000K 5.5 | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1.2*0.07 | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 713 | 713 | 714 | 715 | 715 | 715 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 715 | 715 | 715 | 714 | 714 | 714 |
| 5 | 711 | 711 | 712 | 712 | 713 | 713 | 713 | 714 | 714 | 714 | 714 | 714 | 714 | 714 | 713 | 713 | 713 | 713 | 713 |
| 10 | 701 | 702 | 702 | 703 | 703 | 704 | 704 | 704 | 704 | 704 | 704 | 704 | 704 | 704 | 704 | 704 | 703 | 703 | 703 |
| 15 | 685 | 685 | 686 | 686 | 687 | 687 | 687 | 688 | 688 | 688 | 688 | 688 | 688 | 688 | 688 | 688 | 688 | 688 | 688 |
| 20 | 659 | 660 | 661 | 662 | 663 | 663 | 664 | 664 | 665 | 665 | 665 | 665 | 665 | 665 | 664 | 664 | 664 | 664 | 664 |
| 25 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 636 | 637 | 637 | 637 | 637 | 637 | 637 | 636 | 636 | 636 | 636 | 635 |
| 30 | 594 | 595 | 596 | 598 | 599 | 599 | 600 | 601 | 601 | 602 | 602 | 602 | 602 | 602 | 602 | 602 | 601 | 601 | 601 |
| 35 | 554 | 555 | 556 | 558 | 559 | 560 | 560 | 561 | 562 | 562 | 562 | 563 | 563 | 563 | 562 | 562 | 562 | 562 | 561 |
| 40 | 509 | 511 | 512 | 513 | 515 | 516 | 517 | 518 | 518 | 519 | 519 | 519 | 519 | 519 | 519 | 519 | 519 | 518 | 518 |
| 45 | 459 | 461 | 463 | 465 | 466 | 467 | 469 | 470 | 471 | 471 | 472 | 472 | 472 | 472 | 472 | 471 | 471 | 471 | 470 |
| 50 | 407 | 409 | 411 | 413 | 415 | 417 | 418 | 419 | 420 | 421 | 422 | 422 | 422 | 422 | 422 | 421 | 421 | 421 | 420 |
| 55 | 351 | 354 | 356 | 358 | 360 | 362 | 364 | 365 | 366 | 367 | 368 | 368 | 369 | 369 | 369 | 369 | 368 | 368 | 368 |
| 60 | 294 | 297 | 300 | 302 | 304 | 306 | 307 | 309 | 310 | 311 | 312 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 |
| 65 | 236 | 239 | 241 | 244 | 246 | 248 | 250 | 251 | 253 | 254 | 255 | 256 | 257 | 257 | 258 | 258 | 258 | 258 | 258 |
| 70 | 179 | 182 | 184 | 187 | 189 | 191 | 193 | 194 | 196 | 197 | 199 | 200 | 200 | 201 | 202 | 202 | 202 | 203 | 202 |
| 75 | 125 | 127 | 129 | 131 | 133 | 135 | 136 | 138 | 140 | 141 | 142 | 144 | 145 | 146 | 147 | 148 | 148 | 149 | 149 |
| 80 | 71.0 | 73.0 | 75.0 | 77.0 | 78.8 | 80.6 | 82.3 | 84.0 | 85.5 | 87.0 | 88.7 | 90.3 | 91.8 | 93.1 | 94.3 | 95.3 | 96.1 | 96.7 | 97.0 |
| 85 | 21.2 | 23.1 | 25.0 | 26.8 | 28.6 | 30.3 | 32.0 | 33.6 | 35.1 | 36.6 | 38.5 | 40.2 | 41.8 | 43.3 | 44.6 | 45.8 | 46.7 | 47.4 | 47.8 |
| 90 | 2.93 | 3.24 | 3.53 | 3.79 | 4.02 | 4.22 | 4.39 | 4.54 | 4.66 | 4.75 | 4.76 | 4.75 | 4.72 | 4.67 | 4.60 | 4.53 | 4.45 | 4.38 | 4.30 |
| 95 | 29.3 | 30.9 | 32.1 | 33.0 | 33.6 | 33.9 | 33.8 | 33.4 | 32.7 | 31.6 | 29.3 | 26.8 | 24.1 | 21.2 | 18.3 | 15.4 | 12.6 | 9.93 | 7.48 |
| 100 | 104 | 107 | 110 | 112 | 113 | 113 | 112 | 110 | 108 | 104 | 96.3 | 87.7 | 78.8 | 69.7 | 60.8 | 52.2 | 44.4 | 37.4 | 31.6 |
| 105 | 179 | 184 | 187 | 190 | 191 | 191 | 189 | 186 | 182 | 176 | 164 | 151 | 138 | 124 | 110 | 97.8 | 86.2 | 76.1 | 68.0 |
| 110 | 257 | 264 | 270 | 273 | 275 | 275 | 274 | 270 | 265 | 258 | 241 | 224 | 205 | 187 | 169 | 152 | 136 | 123 | 112 |
| 115 | 353 | 359 | 362 | 364 | 364 | 362 | 358 | 352 | 344 | 334 | 314 | 293 | 271 | 249 | 227 | 207 | 189 | 174 | 162 |
| 120 | 466 | 465 | 463 | 460 | 455 | 448 | 439 | 430 | 418 | 405 | 381 | 357 | 332 | 307 | 284 | 262 | 243 | 226 | 214 |
| 125 | 558 | 553 | 547 | 540 | 531 | 521 | 510 | 497 | 483 | 467 | 442 | 415 | 389 | 363 | 339 | 316 | 297 | 280 | 268 |
| 130 | 626 | 618 | 609 | 599 | 588 | 576 | 563 | 549 | 534 | 517 | 491 | 465 | 439 | 413 | 390 | 368 | 349 | 333 | 321 |
| 135 | 671 | 661 | 650 | 638 | 626 | 613 | 599 | 584 | 569 | 552 | 528 | 503 | 479 | 456 | 434 | 414 | 397 | 383 | 373 |
| 140 | 691 | 680 | 668 | 656 | 643 | 630 | 617 | 603 | 589 | 574 | 552 | 531 | 510 | 490 | 472 | 455 | 441 | 430 | 421 |
| 145 | 695 | 683 | 672 | 660 | 648 | 636 | 624 | 612 | 599 | 587 | 569 | 552 | 535 | 519 | 505 | 492 | 480 | 472 | 465 |
| 150 | 682 | 672 | 663 | 653 | 643 | 633 | 624 | 614 | 604 | 594 | 581 | 568 | 555 | 544 | 533 | 523 | 515 | 508 | 503 |
| 155 | 662 | 655 | 648 | 640 | 633 | 626 | 619 | 612 | 605 | 598 | 589 | 580 | 571 | 563 | 556 | 549 | 544 | 539 | 536 |
| 160 | 641 | 635 | 629 | 624 | 619 | 613 | 608 | 604 | 599 | 595 | 590 | 585 | 580 | 576 | 572 | 569 | 567 | 565 | 563 |
| 165 | 618 | 615 | 612 | 610 | 607 | 605 | 602 | 600 | 598 | 596 | 594 | 592 | 590 | 589 | 587 | 586 | 585 | 585 | 584 |
| 170 | 606 | 605 | 604 | 603 | 602 | 602 | 601 | 601 | 600 | 600 | 599 | 599 | 599 | 599 | 599 | 599 | 599 | 599 | 600 |
| 175 | 611 | 611 | 611 | 611 | 611 | 611 | 611 | 611 | 611 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 609 | 609 |
| 180 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------------|------------------|
| Test:U:119.0V I:0.2510A P:29.50W PF:0.9900 Freq:60.00Hz Lamp Flux:4077.2x1 lm | | |
| NAME: 4FT | TYPE:3000K 5.5 | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1.2*0.07 | Shielding Angle: |

Table--2

UNIT: cd

| C (DEG) γ (DEG) | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 714 | 714 | 714 | 715 | 715 | 715 | 715 | 715 | 715 | 715 | 715 | 714 | 714 | 714 | 713 | 713 | 713 | 713 | 713 |
| 5 | 713 | 713 | 713 | 714 | 714 | 714 | 714 | 714 | 714 | 713 | 712 | 712 | 711 | 710 | 709 | 708 | 708 | 707 | 707 |
| 10 | 703 | 704 | 704 | 704 | 704 | 704 | 704 | 704 | 704 | 703 | 702 | 701 | 700 | 699 | 698 | 697 | 697 | 696 | 696 |
| 15 | 688 | 688 | 688 | 688 | 688 | 688 | 688 | 688 | 688 | 687 | 685 | 684 | 683 | 681 | 680 | 678 | 677 | 676 | 676 |
| 20 | 664 | 664 | 664 | 665 | 665 | 665 | 665 | 665 | 664 | 663 | 661 | 660 | 658 | 656 | 654 | 653 | 651 | 650 | 649 |
| 25 | 636 | 636 | 636 | 636 | 637 | 637 | 636 | 636 | 636 | 634 | 632 | 630 | 627 | 625 | 623 | 621 | 619 | 617 | 617 |
| 30 | 601 | 601 | 602 | 602 | 602 | 602 | 601 | 601 | 600 | 598 | 596 | 594 | 592 | 589 | 587 | 585 | 583 | 581 | 580 |
| 35 | 562 | 562 | 562 | 562 | 562 | 562 | 561 | 561 | 560 | 558 | 556 | 553 | 551 | 548 | 546 | 544 | 541 | 539 | 539 |
| 40 | 518 | 519 | 519 | 519 | 519 | 518 | 518 | 517 | 516 | 514 | 511 | 508 | 505 | 502 | 500 | 497 | 494 | 492 | 491 |
| 45 | 471 | 471 | 471 | 472 | 472 | 471 | 471 | 470 | 469 | 467 | 463 | 460 | 457 | 453 | 450 | 447 | 444 | 441 | 441 |
| 50 | 421 | 421 | 421 | 422 | 422 | 421 | 421 | 420 | 419 | 416 | 412 | 409 | 405 | 401 | 397 | 394 | 390 | 387 | 387 |
| 55 | 368 | 368 | 368 | 368 | 368 | 367 | 367 | 366 | 364 | 361 | 357 | 353 | 349 | 345 | 342 | 338 | 335 | 332 | 331 |
| 60 | 313 | 313 | 313 | 313 | 313 | 312 | 311 | 310 | 309 | 305 | 301 | 297 | 293 | 289 | 285 | 281 | 278 | 275 | 274 |
| 65 | 258 | 258 | 258 | 257 | 257 | 256 | 255 | 254 | 252 | 248 | 244 | 240 | 236 | 232 | 228 | 225 | 221 | 218 | 218 |
| 70 | 203 | 202 | 202 | 202 | 201 | 200 | 199 | 197 | 195 | 192 | 188 | 184 | 180 | 176 | 172 | 168 | 165 | 162 | 161 |
| 75 | 149 | 148 | 148 | 147 | 146 | 145 | 143 | 141 | 139 | 135 | 132 | 128 | 123 | 119 | 116 | 112 | 109 | 106 | 105 |
| 80 | 96.8 | 96.2 | 95.5 | 94.5 | 93.2 | 91.6 | 89.8 | 87.8 | 85.5 | 81.9 | 78.1 | 74.2 | 70.3 | 66.5 | 62.9 | 59.5 | 56.4 | 53.7 | 53.1 |
| 85 | 47.4 | 46.6 | 45.7 | 44.4 | 42.9 | 41.2 | 39.3 | 37.3 | 35.0 | 32.0 | 28.9 | 25.7 | 22.6 | 19.5 | 16.6 | 13.9 | 11.4 | 9.20 | 8.56 |
| 90 | 4.35 | 4.39 | 4.44 | 4.47 | 4.49 | 4.48 | 4.46 | 4.40 | 4.30 | 3.93 | 3.52 | 3.11 | 2.68 | 2.27 | 1.88 | 1.52 | 1.21 | 0.95 | 1.13 |
| 95 | 6.68 | 6.13 | 5.79 | 5.64 | 5.63 | 5.74 | 5.94 | 6.17 | 6.43 | 5.64 | 4.87 | 4.17 | 3.57 | 3.12 | 2.86 | 2.83 | 3.08 | 3.64 | 6.36 |
| 100 | 34.1 | 37.9 | 42.5 | 47.8 | 53.5 | 59.2 | 64.9 | 70.1 | 74.6 | 71.6 | 67.9 | 63.7 | 59.2 | 54.8 | 50.5 | 46.7 | 43.6 | 41.4 | 47.1 |
| 105 | 73.0 | 79.9 | 88.3 | 97.9 | 108 | 119 | 129 | 139 | 148 | 146 | 144 | 140 | 137 | 132 | 128 | 124 | 121 | 118 | 124 |
| 110 | 119 | 129 | 141 | 155 | 170 | 185 | 200 | 214 | 227 | 227 | 225 | 222 | 218 | 213 | 209 | 204 | 200 | 196 | 203 |
| 115 | 171 | 184 | 199 | 216 | 234 | 253 | 271 | 289 | 306 | 307 | 306 | 304 | 301 | 297 | 292 | 288 | 283 | 279 | 285 |
| 120 | 224 | 238 | 255 | 274 | 294 | 316 | 337 | 358 | 378 | 383 | 387 | 389 | 390 | 390 | 388 | 386 | 384 | 382 | 385 |
| 125 | 278 | 293 | 310 | 331 | 353 | 376 | 399 | 423 | 445 | 455 | 463 | 470 | 475 | 479 | 482 | 483 | 484 | 483 | 484 |
| 130 | 332 | 346 | 364 | 384 | 406 | 430 | 454 | 478 | 501 | 514 | 526 | 536 | 545 | 552 | 557 | 561 | 564 | 565 | 563 |
| 135 | 382 | 396 | 412 | 431 | 452 | 474 | 497 | 520 | 542 | 556 | 570 | 582 | 592 | 601 | 608 | 614 | 617 | 619 | 616 |
| 140 | 429 | 441 | 455 | 471 | 489 | 508 | 528 | 548 | 567 | 582 | 597 | 609 | 621 | 631 | 640 | 647 | 652 | 655 | 650 |
| 145 | 471 | 480 | 491 | 504 | 518 | 533 | 549 | 566 | 582 | 597 | 611 | 624 | 636 | 647 | 656 | 663 | 669 | 672 | 667 |
| 150 | 507 | 513 | 521 | 530 | 540 | 551 | 563 | 575 | 588 | 600 | 613 | 624 | 635 | 646 | 654 | 662 | 667 | 671 | 665 |
| 155 | 539 | 542 | 547 | 553 | 559 | 566 | 574 | 582 | 591 | 600 | 610 | 619 | 628 | 635 | 642 | 648 | 653 | 656 | 651 |
| 160 | 565 | 567 | 570 | 573 | 576 | 581 | 585 | 590 | 594 | 600 | 606 | 611 | 617 | 622 | 626 | 629 | 632 | 634 | 631 |
| 165 | 585 | 585 | 586 | 587 | 589 | 590 | 592 | 594 | 596 | 600 | 603 | 606 | 609 | 612 | 614 | 617 | 618 | 620 | 618 |
| 170 | 599 | 599 | 599 | 599 | 599 | 600 | 600 | 600 | 600 | 601 | 602 | 604 | 605 | 606 | 607 | 608 | 608 | 609 | 608 |
| 175 | 609 | 609 | 608 | 608 | 608 | 608 | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 607 |
| 180 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------------|------------------|
| Test:U:119.0V I:0.2510A P:29.50W PF:0.9900 Freq:60.00Hz Lamp Flux:4077.2x1 lm | | |
| NAME: 4FT | TYPE:3000K 5.5 | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1.2*0.07 | Shielding Angle: |

Table--3

UNIT: cd

| C (DEG) γ (DEG) | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 713 | 714 | 714 | 715 | 715 | 715 | 716 | 716 | 716 | 716 | 716 | 715 | 715 | 715 | 714 | 714 | 714 | 714 | 714 |
| 5 | 707 | 707 | 708 | 708 | 708 | 708 | 709 | 709 | 709 | 709 | 709 | 709 | 709 | 709 | 709 | 710 | 710 | 710 | 710 |
| 10 | 695 | 695 | 696 | 696 | 696 | 696 | 696 | 696 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 698 | 698 | 698 |
| 15 | 676 | 676 | 676 | 676 | 676 | 676 | 676 | 677 | 677 | 677 | 678 | 678 | 678 | 678 | 678 | 679 | 679 | 679 | 679 |
| 20 | 649 | 649 | 648 | 649 | 649 | 649 | 649 | 650 | 650 | 651 | 651 | 652 | 652 | 652 | 653 | 653 | 654 | 653 | 653 |
| 25 | 616 | 616 | 617 | 617 | 617 | 618 | 618 | 619 | 619 | 620 | 620 | 620 | 621 | 621 | 621 | 621 | 622 | 621 | 621 |
| 30 | 580 | 580 | 580 | 580 | 580 | 580 | 581 | 581 | 581 | 582 | 583 | 583 | 584 | 584 | 585 | 585 | 586 | 585 | 585 |
| 35 | 538 | 538 | 538 | 538 | 538 | 539 | 539 | 540 | 540 | 540 | 541 | 542 | 542 | 543 | 543 | 544 | 544 | 544 | 543 |
| 40 | 491 | 490 | 490 | 490 | 491 | 491 | 492 | 492 | 493 | 494 | 495 | 496 | 496 | 497 | 498 | 499 | 499 | 499 | 498 |
| 45 | 440 | 440 | 441 | 441 | 442 | 443 | 444 | 445 | 446 | 446 | 447 | 448 | 448 | 449 | 449 | 450 | 450 | 450 | 449 |
| 50 | 387 | 387 | 388 | 388 | 389 | 391 | 392 | 393 | 394 | 395 | 395 | 396 | 397 | 397 | 398 | 398 | 398 | 398 | 398 |
| 55 | 331 | 331 | 332 | 332 | 333 | 335 | 336 | 337 | 338 | 339 | 341 | 342 | 343 | 344 | 344 | 345 | 346 | 345 | 345 |
| 60 | 274 | 274 | 274 | 275 | 276 | 277 | 278 | 280 | 281 | 283 | 284 | 286 | 287 | 288 | 289 | 290 | 291 | 290 | 290 |
| 65 | 217 | 217 | 218 | 219 | 220 | 221 | 222 | 224 | 225 | 227 | 228 | 230 | 231 | 232 | 234 | 235 | 235 | 235 | 234 |
| 70 | 161 | 161 | 161 | 162 | 163 | 164 | 165 | 167 | 168 | 170 | 172 | 174 | 175 | 177 | 178 | 179 | 180 | 179 | 178 |
| 75 | 105 | 105 | 106 | 107 | 108 | 109 | 111 | 112 | 114 | 115 | 117 | 119 | 120 | 122 | 123 | 124 | 125 | 124 | 123 |
| 80 | 53.0 | 53.3 | 53.9 | 54.9 | 56.1 | 57.4 | 59.0 | 60.6 | 62.3 | 64.0 | 65.7 | 67.3 | 68.9 | 70.3 | 71.5 | 72.5 | 73.3 | 72.5 | 71.5 |
| 85 | 8.24 | 8.24 | 8.51 | 9.03 | 9.77 | 10.7 | 11.8 | 13.0 | 14.5 | 16.0 | 17.6 | 19.2 | 20.6 | 22.0 | 23.2 | 24.2 | 25.0 | 24.2 | 23.1 |
| 90 | 1.36 | 1.64 | 1.94 | 2.26 | 2.58 | 2.89 | 3.17 | 3.40 | 3.21 | 2.97 | 2.71 | 2.43 | 2.15 | 1.88 | 1.63 | 1.43 | 1.28 | 1.56 | 1.90 |
| 95 | 9.35 | 12.5 | 15.7 | 19.0 | 22.1 | 25.0 | 27.6 | 29.9 | 28.7 | 27.2 | 25.5 | 23.7 | 21.9 | 20.2 | 18.8 | 17.8 | 17.3 | 21.2 | 25.7 |
| 100 | 53.7 | 60.9 | 68.4 | 75.9 | 83.2 | 89.9 | 95.8 | 101 | 95.9 | 90.2 | 83.8 | 76.9 | 70.0 | 63.4 | 57.4 | 52.4 | 48.6 | 54.9 | 62.6 |
| 105 | 131 | 138 | 145 | 153 | 159 | 165 | 170 | 173 | 164 | 154 | 143 | 132 | 121 | 110 | 101 | 92.7 | 86.8 | 95.8 | 107 |
| 110 | 210 | 217 | 224 | 231 | 237 | 242 | 246 | 248 | 235 | 220 | 205 | 190 | 175 | 160 | 148 | 137 | 130 | 141 | 156 |
| 115 | 291 | 297 | 303 | 309 | 313 | 317 | 318 | 318 | 302 | 285 | 266 | 248 | 230 | 213 | 198 | 186 | 176 | 190 | 206 |
| 120 | 389 | 392 | 394 | 395 | 395 | 394 | 391 | 387 | 367 | 347 | 326 | 305 | 284 | 266 | 249 | 236 | 226 | 240 | 257 |
| 125 | 484 | 483 | 480 | 477 | 472 | 466 | 458 | 448 | 427 | 404 | 381 | 358 | 337 | 317 | 300 | 287 | 277 | 290 | 308 |
| 130 | 560 | 555 | 549 | 541 | 532 | 522 | 510 | 497 | 474 | 451 | 428 | 406 | 385 | 366 | 349 | 336 | 327 | 339 | 356 |
| 135 | 610 | 603 | 594 | 584 | 572 | 559 | 545 | 530 | 509 | 488 | 466 | 446 | 427 | 410 | 395 | 384 | 376 | 387 | 401 |
| 140 | 643 | 634 | 623 | 611 | 598 | 584 | 569 | 553 | 534 | 515 | 497 | 479 | 463 | 449 | 437 | 427 | 421 | 430 | 442 |
| 145 | 659 | 649 | 637 | 625 | 611 | 596 | 581 | 566 | 550 | 535 | 520 | 507 | 494 | 484 | 475 | 468 | 463 | 470 | 479 |
| 150 | 657 | 648 | 637 | 625 | 613 | 599 | 586 | 573 | 561 | 550 | 539 | 530 | 521 | 514 | 508 | 504 | 501 | 506 | 513 |
| 155 | 645 | 638 | 629 | 620 | 610 | 600 | 590 | 580 | 572 | 564 | 557 | 551 | 546 | 541 | 537 | 535 | 533 | 536 | 541 |
| 160 | 627 | 622 | 617 | 611 | 605 | 598 | 592 | 586 | 581 | 577 | 573 | 570 | 567 | 565 | 563 | 562 | 561 | 562 | 564 |
| 165 | 615 | 613 | 610 | 606 | 603 | 599 | 596 | 592 | 590 | 589 | 587 | 586 | 585 | 584 | 584 | 583 | 583 | 583 | 583 |
| 170 | 607 | 606 | 605 | 604 | 603 | 601 | 600 | 599 | 599 | 599 | 598 | 598 | 599 | 599 | 599 | 599 | 599 | 599 | 599 |
| 175 | 607 | 607 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 608 | 609 | 609 | 609 | 609 | 609 | 609 |
| 180 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|----------------|--|--|--|--|--|------------------|--|--|
| Test:U:119.0V I:0.2510A P:29.50W PF:0.9900 Freq:60.00Hz Lamp Flux:4077.2x1 lm | | | | | | | | | | | | | | | | | |
| NAME: 4FT | | | | | | | | | TYPE:3000K 5.5 | | | | | | WEIGHT: | | |
| SPEC.: | | | | | | | | | DIM.: | | | | | | SERIAL No.: | | |
| MFR.: EVERFINE | | | | | | | | | SUR.:1.2*0.07 | | | | | | Shielding Angle: | | |

Table--4

UNIT: cd

| C (DEG) γ (DEG) | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0 | 714 | 715 | 715 | 715 | 715 | 715 | 715 | 715 | 715 | 715 | 715 | 714 | 714 | 714 | 713 | | | | |
| 5 | 710 | 710 | 710 | 710 | 710 | 710 | 711 | 711 | 711 | 711 | 711 | 711 | 711 | 711 | 711 | | | | |
| 10 | 698 | 698 | 698 | 698 | 698 | 698 | 698 | 698 | 698 | 699 | 699 | 699 | 700 | 700 | 701 | | | | |
| 15 | 678 | 678 | 678 | 678 | 678 | 678 | 678 | 679 | 679 | 680 | 680 | 681 | 682 | 683 | 684 | | | | |
| 20 | 653 | 653 | 652 | 652 | 652 | 652 | 652 | 652 | 653 | 653 | 654 | 655 | 656 | 657 | 658 | | | | |
| 25 | 621 | 621 | 620 | 620 | 620 | 620 | 620 | 621 | 621 | 622 | 623 | 624 | 626 | 627 | 628 | | | | |
| 30 | 585 | 584 | 584 | 584 | 584 | 583 | 584 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 592 | | | | |
| 35 | 543 | 543 | 542 | 542 | 542 | 542 | 542 | 543 | 543 | 544 | 546 | 547 | 548 | 550 | 552 | | | | |
| 40 | 498 | 498 | 497 | 497 | 496 | 496 | 496 | 497 | 498 | 499 | 500 | 501 | 503 | 505 | 507 | | | | |
| 45 | 449 | 449 | 448 | 448 | 448 | 448 | 448 | 448 | 449 | 450 | 451 | 452 | 454 | 455 | 457 | | | | |
| 50 | 397 | 397 | 397 | 396 | 396 | 396 | 396 | 397 | 397 | 398 | 399 | 400 | 402 | 403 | 405 | | | | |
| 55 | 344 | 343 | 342 | 342 | 341 | 341 | 340 | 341 | 341 | 342 | 343 | 344 | 346 | 348 | 349 | | | | |
| 60 | 289 | 288 | 287 | 286 | 285 | 284 | 283 | 284 | 284 | 285 | 286 | 287 | 289 | 290 | 292 | | | | |
| 65 | 233 | 232 | 230 | 229 | 228 | 227 | 227 | 227 | 227 | 228 | 228 | 229 | 231 | 232 | 234 | | | | |
| 70 | 177 | 175 | 174 | 173 | 171 | 170 | 169 | 169 | 170 | 170 | 171 | 172 | 174 | 175 | 177 | | | | |
| 75 | 122 | 120 | 119 | 118 | 116 | 115 | 114 | 115 | 115 | 116 | 116 | 118 | 119 | 121 | 122 | | | | |
| 80 | 70.2 | 68.9 | 67.5 | 66.1 | 64.8 | 63.6 | 62.5 | 62.5 | 62.7 | 63.2 | 63.9 | 64.8 | 66.0 | 67.4 | 69.1 | | | | |
| 85 | 21.9 | 20.6 | 19.2 | 17.8 | 16.5 | 15.3 | 14.2 | 14.1 | 14.2 | 14.6 | 15.1 | 15.9 | 16.9 | 18.1 | 19.6 | | | | |
| 90 | 2.28 | 2.68 | 3.09 | 3.50 | 3.88 | 4.24 | 4.55 | 4.61 | 4.61 | 4.55 | 4.43 | 4.25 | 4.01 | 3.71 | 3.35 | | | | |
| 95 | 30.4 | 35.4 | 40.3 | 45.0 | 49.4 | 53.3 | 56.6 | 56.8 | 56.3 | 54.9 | 52.7 | 49.6 | 45.8 | 41.1 | 35.7 | | | | |
| 100 | 71.2 | 80.5 | 90.2 | 99.8 | 109 | 118 | 126 | 128 | 129 | 129 | 128 | 126 | 122 | 117 | 111 | | | | |
| 105 | 120 | 133 | 148 | 162 | 176 | 190 | 202 | 206 | 209 | 209 | 209 | 206 | 202 | 196 | 188 | | | | |
| 110 | 173 | 191 | 210 | 229 | 248 | 266 | 283 | 289 | 292 | 294 | 293 | 290 | 285 | 278 | 268 | | | | |
| 115 | 226 | 247 | 269 | 292 | 314 | 336 | 356 | 365 | 371 | 376 | 377 | 377 | 374 | 370 | 362 | | | | |
| 120 | 278 | 300 | 325 | 350 | 375 | 400 | 424 | 436 | 447 | 455 | 462 | 466 | 469 | 470 | 469 | | | | |
| 125 | 328 | 352 | 377 | 403 | 430 | 456 | 482 | 497 | 510 | 522 | 532 | 540 | 547 | 552 | 556 | | | | |
| 130 | 376 | 398 | 423 | 449 | 475 | 502 | 528 | 544 | 558 | 572 | 584 | 595 | 604 | 613 | 620 | | | | |
| 135 | 419 | 439 | 461 | 485 | 509 | 533 | 557 | 573 | 589 | 603 | 616 | 629 | 641 | 652 | 662 | | | | |
| 140 | 456 | 473 | 492 | 511 | 532 | 553 | 574 | 589 | 603 | 617 | 631 | 644 | 656 | 668 | 680 | | | | |
| 145 | 490 | 503 | 518 | 533 | 550 | 567 | 584 | 597 | 610 | 622 | 635 | 647 | 659 | 671 | 683 | | | | |
| 150 | 521 | 530 | 541 | 552 | 564 | 577 | 590 | 600 | 610 | 620 | 630 | 641 | 651 | 661 | 671 | | | | |
| 155 | 546 | 552 | 559 | 566 | 574 | 583 | 591 | 599 | 606 | 614 | 621 | 629 | 637 | 645 | 654 | | | | |
| 160 | 566 | 569 | 572 | 576 | 580 | 585 | 590 | 594 | 599 | 604 | 610 | 615 | 621 | 628 | 634 | | | | |
| 165 | 584 | 584 | 585 | 586 | 587 | 589 | 591 | 593 | 595 | 598 | 601 | 604 | 607 | 610 | 614 | | | | |
| 170 | 599 | 600 | 600 | 600 | 600 | 600 | 600 | 601 | 601 | 602 | 602 | 603 | 604 | 604 | 605 | | | | |
| 175 | 609 | 609 | 609 | 609 | 609 | 609 | 609 | 609 | 609 | 610 | 610 | 610 | 610 | 610 | 611 | | | | |
| 180 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | 610 | | | | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: