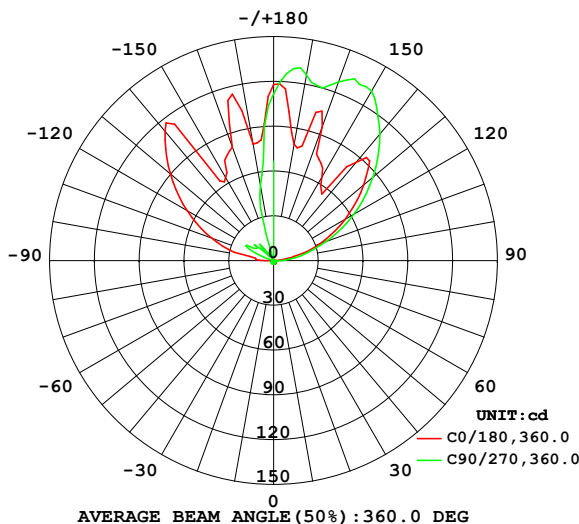


LUMINAIRE PHOTOMETRIC TEST REPORT

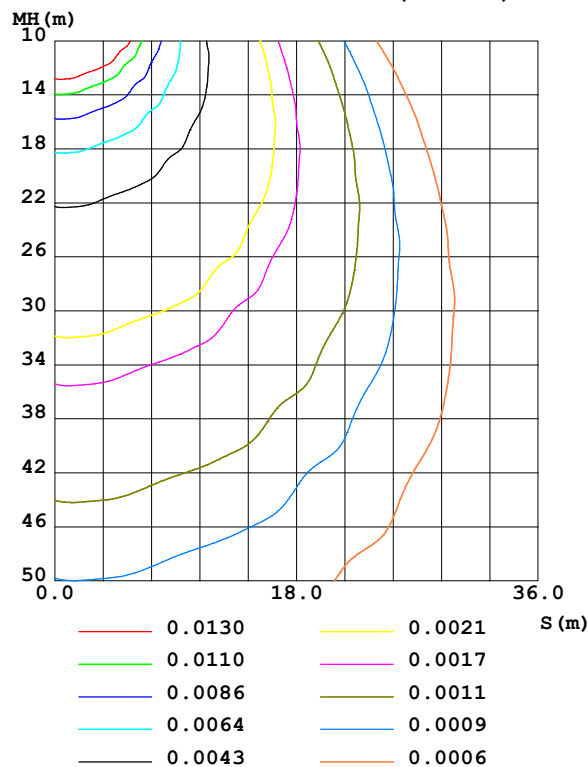
| | | |
|---|--------------|------------------|
| Test:U:220.66V I:0.0322A P:6.5400W PF:0.9213 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:279.245x1 lm | | |
| NAME: WL3173-A 2700K RA90 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC lighting | SUR.: 345*12 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 42.70 lm/W |
|------------------|---------------------|-----------------------|----------|-------------------|----------|-----------------|
| MODEL | WL3173-A 2700K RA90 | I _{max} (cd) | 133.3 | S/MH(C0/180) | 1.43 | |
| NOMINAL POWER(W) | 6 | LOR(%) | 100.0 | S/MH(C90/270) | 1.52 | |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 279.25 | η UP,DN(C0-180) | 67.1,2.3 | |
| NOMINAL FLUX(lm) | 279.245 | CIE CLASS | INDIRECT | η UP,DN(C180-360) | 28.6,2.0 | |
| LAMPS INSIDE | 1 | η up(%) | 95.7 | CIBSE SHR NOM | 1.75 | |
| TEST VOLTAGE(V) | 220 | η down(%) | 4.3 | CIBSE SHR MAX | 1.75 | |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-10-10

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [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 | 2.224 | 1.865 | 1.977 | 1.971 | 2.259 | 2.337 | 2.405 | 2.296 | 0- 10 | 0.2100 | 0.2100 | 0.08,0.08 |
| 20 | 2.218 | 1.951 | 1.750 | 2.101 | 2.420 | 2.555 | 2.122 | 2.388 | 10- 20 | 0.6152 | 0.8252 | 0.30,0.30 |
| 30 | 2.043 | 1.876 | 1.608 | 2.025 | 2.218 | 2.469 | 2.305 | 2.082 | 20- 30 | 0.9575 | 1.783 | 0.64,0.64 |
| 40 | 1.835 | 1.893 | 1.514 | 1.992 | 1.963 | 2.422 | 2.230 | 2.184 | 30- 40 | 1.270 | 3.053 | 1.09,1.09 |
| 50 | 1.534 | 2.060 | 1.641 | 2.144 | 1.738 | 2.192 | 2.238 | 1.981 | 40- 50 | 1.524 | 4.577 | 1.64,1.64 |
| 60 | 1.296 | 2.304 | 1.528 | 2.494 | 1.601 | 1.921 | 1.960 | 1.660 | 50- 60 | 1.726 | 6.303 | 2.26,2.26 |
| 70 | 1.147 | 2.155 | 1.297 | 2.508 | 1.642 | 1.726 | 1.410 | 1.365 | 60- 70 | 1.805 | 8.109 | 2.9,2.9 |
| 80 | 1.039 | 2.212 | 1.830 | 2.518 | 1.858 | 1.612 | 0.9857 | 1.161 | 70- 80 | 1.841 | 9.949 | 3.56,3.56 |
| 90 | 0.8580 | 2.448 | 3.037 | 6.677 | 5.863 | 3.325 | 0.7153 | 0.6425 | 80- 90 | 2.129 | 12.08 | 4.33,4.33 |
| 100 | 12.49 | 14.63 | 18.07 | 21.39 | 16.24 | 4.840 | 0.5643 | 3.296 | 90-100 | 6.919 | 19.00 | 6.8,6.8 |
| 110 | 32.98 | 34.97 | 37.40 | 42.04 | 44.19 | 22.33 | 6.739 | 17.25 | 100-110 | 20.81 | 39.81 | 14.3,14.3 |
| 120 | 55.24 | 58.00 | 61.98 | 64.56 | 66.77 | 42.66 | 20.90 | 31.47 | 110-120 | 37.20 | 77.01 | 27.6,27.6 |
| 130 | 78.66 | 82.34 | 86.81 | 88.18 | 90.29 | 62.90 | 16.84 | 51.81 | 120-130 | 48.55 | 125.6 | 45,45 |
| 140 | 86.14 | 106.9 | 110.7 | 107.3 | 113.1 | 0.3192 | 14.53 | 0.3144 | 130-140 | 52.61 | 178.2 | 63.8,63.8 |
| 150 | 64.93 | 117.6 | 131.2 | 117.8 | 64.50 | 33.56 | 0.2243 | 21.89 | 140-150 | 40.92 | 219.1 | 78.5,78.5 |
| 160 | 95.56 | 100.9 | 127.3 | 111.5 | 80.95 | 53.94 | 0.1345 | 3.573 | 150-160 | 31.36 | 250.5 | 89.7,89.7 |
| 170 | 79.39 | 107.5 | 126.4 | 98.66 | 79.35 | 55.09 | 51.42 | 24.08 | 160-170 | 20.52 | 271.0 | 97,97 |
| 180 | 118.0 | 115.8 | 111.6 | 109.1 | 118.0 | 115.7 | 111.7 | 109.3 | 170-180 | 8.273 | 279.2 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 3.9368 lm

%lum = 1.4%

%lamp = 1.4%

Conical surface Flux(130deg): 7.3866 lm

%lum = 2.6%

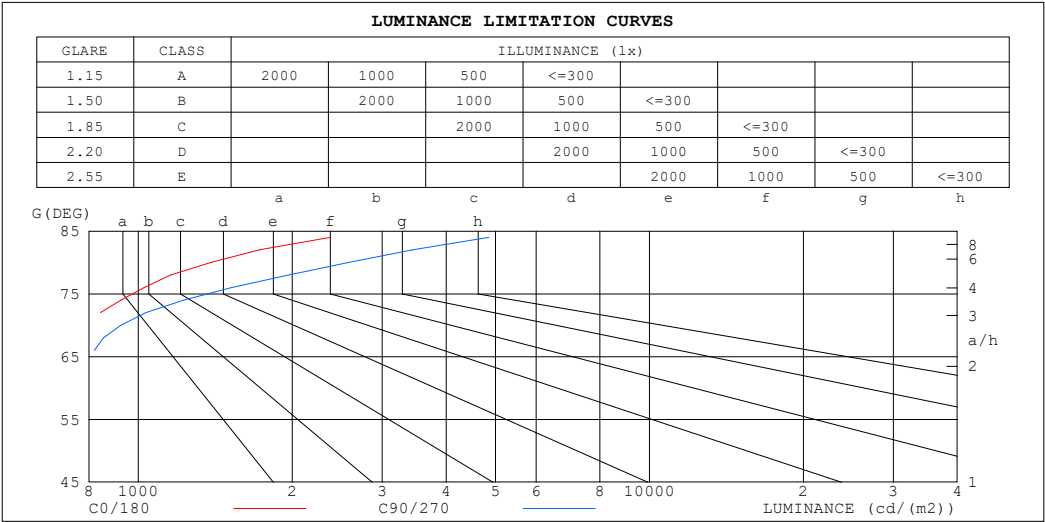
%lamp = 2.6%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-10-10

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|--------------|------------------|
| Test:U:220.66V I:0.0322A P:6.5400W PF:0.9213 Freq:49.99Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:279.245x1 lm | | |
| NAME: WL3173-A 2700K RA90 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC lighting | SUR.: 345*12 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 2847 | 5811 |
| 80 | 1383 | 2566 |
| 75 | 985 | 1306 |
| 70 | 775 | 924 |
| 65 | 672 | 828 |
| 60 | 599 | 744 |
| 55 | 573 | 697 |
| 50 | 551 | 622 |
| 45 | 560 | 553 |

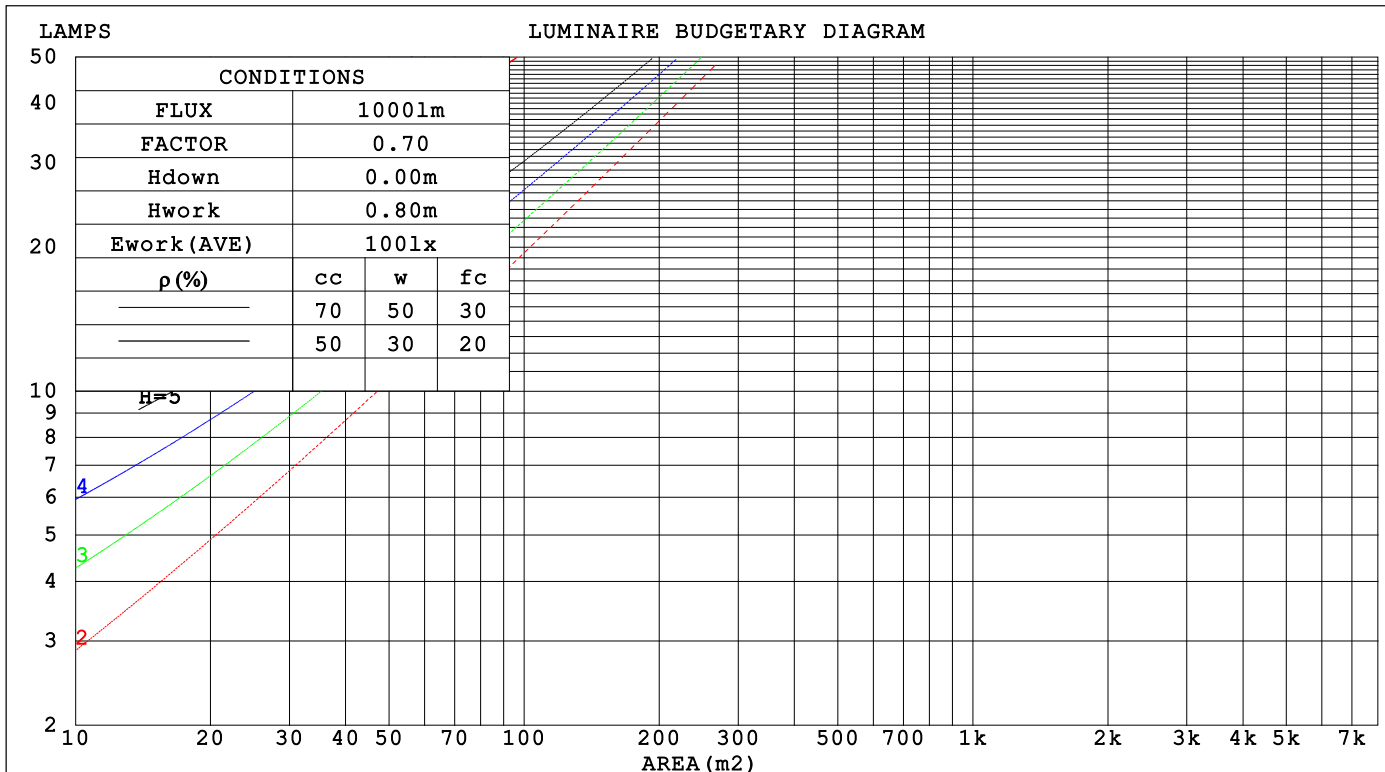
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-10-10

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------------|------------------|
| Test:U:220.66V I:0.0322A P:6.5400W PF:0.9213 Freq:49.99Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:279.245x1 lm | | |
| NAME: WL3173-A 2700K RA90 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC lighting | SUR.: 345*12 | 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 Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| 0.0 | .96 | .96 | .96 | .83 | .83 | .83 | .58 | .58 | .58 | .35 | .35 | .35 | .14 | .14 | .14 | .04 |
| 1.0 | .83 | .79 | .76 | .72 | .69 | .66 | .50 | .48 | .46 | .30 | .29 | .28 | .12 | .12 | .11 | .03 |
| 2.0 | .72 | .66 | .62 | .62 | .58 | .54 | .44 | .41 | .38 | .26 | .25 | .23 | .10 | .10 | .09 | .02 |
| 3.0 | .63 | .56 | .51 | .55 | .49 | .44 | .38 | .35 | .32 | .23 | .21 | .19 | .09 | .08 | .08 | .02 |
| 4.0 | .56 | .48 | .43 | .48 | .42 | .37 | .34 | .30 | .27 | .20 | .18 | .16 | .08 | .07 | .06 | .01 |
| 5.0 | .49 | .42 | .36 | .43 | .36 | .32 | .30 | .26 | .23 | .18 | .16 | .14 | .07 | .06 | .05 | .01 |
| 6.0 | .44 | .36 | .31 | .38 | .32 | .27 | .27 | .23 | .20 | .16 | .14 | .12 | .06 | .05 | .05 | .01 |
| 7.0 | .39 | .32 | .27 | .34 | .28 | .23 | .24 | .20 | .17 | .15 | .12 | .10 | .06 | .05 | .04 | .01 |
| 8.0 | .35 | .28 | .23 | .31 | .25 | .20 | .22 | .18 | .15 | .13 | .11 | .09 | .05 | .04 | .04 | .01 |
| 9.0 | .32 | .25 | .20 | .28 | .22 | .18 | .20 | .16 | .13 | .12 | .10 | .08 | .05 | .04 | .03 | .01 |
| 10.0 | .29 | .22 | .18 | .25 | .20 | .16 | .18 | .14 | .11 | .11 | .09 | .07 | .04 | .03 | .03 | .01 |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-10-10

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

WEC AND CCEC

| | | | | | | | | |
|---|--|--|---------------------------------|--|--|------------------------|--|--|
| Test:U:220.66V I:0.0322A P:6.5400W PF:0.9213 Freq:49.99Hz | | | UTHDi:0.00% ITHDi:0.00% KDisp:0 | | | Lamp Flux:279.245x1 lm | | |
| NAME: WL3173-A 2700K RA90 | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | DIM.: | | | SERIAL No.: | | |
| MFR.: VJC lighting | | | SUR.: 345*12 | | | 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 | .269 | .153 | .048 | .233 | .133 | .042 | .166 | .095 | .030 | .104 | .060 | .019 | .047 | .027 | .009 | | |
| 2.0 | .244 | .134 | .041 | .212 | .117 | .036 | .150 | .083 | .026 | .093 | .052 | .016 | .041 | .023 | .007 | | |
| 3.0 | .224 | .119 | .036 | .194 | .104 | .031 | .138 | .075 | .023 | .085 | .047 | .014 | .037 | .020 | .006 | | |
| 4.0 | .207 | .108 | .032 | .179 | .094 | .028 | .127 | .067 | .020 | .078 | .042 | .013 | .033 | .018 | .006 | | |
| 5.0 | .192 | .098 | .028 | .166 | .085 | .025 | .118 | .061 | .018 | .073 | .038 | .011 | .031 | .016 | .005 | | |
| 6.0 | .178 | .089 | .026 | .155 | .078 | .022 | .110 | .056 | .016 | .068 | .035 | .010 | .028 | .015 | .004 | | |
| 7.0 | .167 | .082 | .023 | .145 | .072 | .021 | .103 | .052 | .015 | .063 | .032 | .009 | .026 | .014 | .004 | | |
| 8.0 | .156 | .076 | .021 | .135 | .067 | .019 | .096 | .048 | .014 | .059 | .030 | .009 | .025 | .013 | .004 | | |
| 9.0 | .146 | .071 | .020 | .127 | .062 | .017 | .090 | .045 | .013 | .056 | .028 | .008 | .023 | .012 | .003 | | |
| 10.0 | .138 | .066 | .018 | .120 | .058 | .016 | .085 | .042 | .012 | .053 | .026 | .007 | .022 | .011 | .003 | | |

| 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 | .919 | .919 | .919 | .786 | .786 | .786 | .536 | .536 | .536 | .308 | .308 | .308 | .099 | .099 | .099 | | |
| 1.0 | .912 | .891 | .873 | .781 | .765 | .751 | .534 | .526 | .519 | .307 | .305 | .302 | .098 | .098 | .098 | | |
| 2.0 | .906 | .872 | .844 | .776 | .751 | .729 | .532 | .519 | .509 | .307 | .302 | .298 | .098 | .098 | .097 | | |
| 3.0 | .900 | .858 | .825 | .771 | .740 | .715 | .529 | .514 | .501 | .306 | .300 | .296 | .098 | .097 | .097 | | |
| 4.0 | .894 | .847 | .812 | .767 | .732 | .705 | .527 | .510 | .497 | .305 | .299 | .294 | .098 | .097 | .097 | | |
| 5.0 | .888 | .839 | .803 | .763 | .726 | .698 | .525 | .507 | .493 | .304 | .298 | .293 | .098 | .097 | .096 | | |
| 6.0 | .882 | .832 | .796 | .758 | .721 | .693 | .523 | .505 | .491 | .304 | .297 | .292 | .098 | .097 | .096 | | |
| 7.0 | .877 | .827 | .791 | .754 | .717 | .690 | .521 | .502 | .489 | .303 | .296 | .291 | .098 | .097 | .096 | | |
| 8.0 | .872 | .822 | .788 | .751 | .713 | .687 | .519 | .501 | .487 | .302 | .295 | .290 | .098 | .097 | .096 | | |
| 9.0 | .867 | .818 | .785 | .747 | .710 | .685 | .518 | .499 | .486 | .302 | .295 | .290 | .098 | .097 | .096 | | |
| 10.0 | .863 | .815 | .783 | .744 | .708 | .683 | .516 | .498 | .485 | .301 | .294 | .290 | .098 | .097 | .096 | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-10-10

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|---|--|------------------|------|------|------|--------------|----------------|------------------|------|------|------|
| Test:U:220.66V I:0.0322A P:6.5400W PF:0.9213 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:279.245x1 lm | | | | | | | | | | | |
| NAME: WL3173-A 2700K RA90 | | | | | | TYPE: | | WEIGHT: | | | |
| SPEC.: | | | | | | DIM.: | | SERIAL No.: | | | |
| MFR.: VJC lighting | | | | | | SUR.: 345*12 | | 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 | | 3.2 | 3.8 | 4.4 | 5.0 | 6.8 | 4.1 | 4.7 | 5.3 | 5.9 | 7.7 |
| 3H | | 5.7 | 6.3 | 7.0 | 7.5 | 9.3 | 6.6 | 7.2 | 7.8 | 8.4 | 10.2 |
| 4H | | 7.0 | 7.5 | 8.3 | 8.8 | 10.6 | 8.3 | 8.8 | 9.5 | 10.0 | 11.8 |
| 6H | | 8.3 | 8.8 | 9.6 | 10.1 | 11.9 | 10.7 | 11.2 | 12.0 | 12.4 | 14.2 |
| 8H | | 9.2 | 9.7 | 10.5 | 10.9 | 12.7 | 12.1 | 12.6 | 13.4 | 13.8 | 15.6 |
| 12H | | 10.3 | 10.7 | 11.6 | 12.0 | 13.8 | 13.8 | 14.2 | 15.1 | 15.5 | 17.3 |
| 4H 2H | | 4.7 | 5.3 | 6.0 | 6.5 | 8.3 | 5.2 | 5.8 | 6.5 | 7.0 | 8.8 |
| 3H | | 7.4 | 7.9 | 8.7 | 9.1 | 10.9 | 8.1 | 8.5 | 9.3 | 9.7 | 11.6 |
| 4H | | 8.8 | 9.2 | 10.1 | 10.5 | 12.3 | 10.0 | 10.4 | 11.3 | 11.7 | 13.5 |
| 6H | | 10.3 | 10.7 | 11.6 | 11.9 | 13.8 | 12.7 | 13.0 | 13.9 | 14.3 | 16.1 |
| 8H | | 11.3 | 11.6 | 12.5 | 12.8 | 14.7 | 14.1 | 14.4 | 15.4 | 15.7 | 17.5 |
| 12H | | 12.4 | 12.7 | 13.7 | 14.0 | 15.8 | 15.8 | 16.1 | 17.1 | 17.3 | 19.2 |
| 8H 4H | | 9.9 | 10.2 | 11.2 | 11.5 | 13.3 | 10.8 | 11.1 | 12.1 | 12.4 | 14.2 |
| 6H | | 11.9 | 12.1 | 13.2 | 13.4 | 15.2 | 13.9 | 14.1 | 15.2 | 15.4 | 17.3 |
| 8H | | 13.1 | 13.3 | 14.4 | 14.6 | 16.4 | 15.6 | 15.9 | 16.9 | 17.1 | 19.0 |
| 12H | | 14.5 | 14.7 | 15.8 | 15.9 | 17.8 | 17.6 | 17.8 | 18.9 | 19.1 | 20.9 |
| 12H 4H | | 10.4 | 10.7 | 11.7 | 11.9 | 13.8 | 11.0 | 11.3 | 12.3 | 12.5 | 14.4 |
| 6H | | 12.5 | 12.8 | 13.8 | 14.0 | 15.9 | 14.2 | 14.4 | 15.5 | 15.7 | 17.5 |
| 8H | | 13.9 | 14.1 | 15.2 | 15.4 | 17.2 | 16.1 | 16.3 | 17.4 | 17.6 | 19.4 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.1 | | | | |
| 1.5H | | + 0.2 / - 0.3 | | | | | + 0.3 / - 0.3 | | | | |
| 2.0H | | + 0.4 / - 0.5 | | | | | + 0.4 / - 0.6 | | | | |

CIE Pub.117, 279.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.4)
Area: 0.0041 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-10-10

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|--------------|------------------|
| Test:U:220.66V I:0.0322A P:6.5400W PF:0.9213 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:279.245x1 lm | | |
| NAME: WL3173-A 2700K RA90 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC lighting | SUR.: 345*12 | Shielding Angle: |

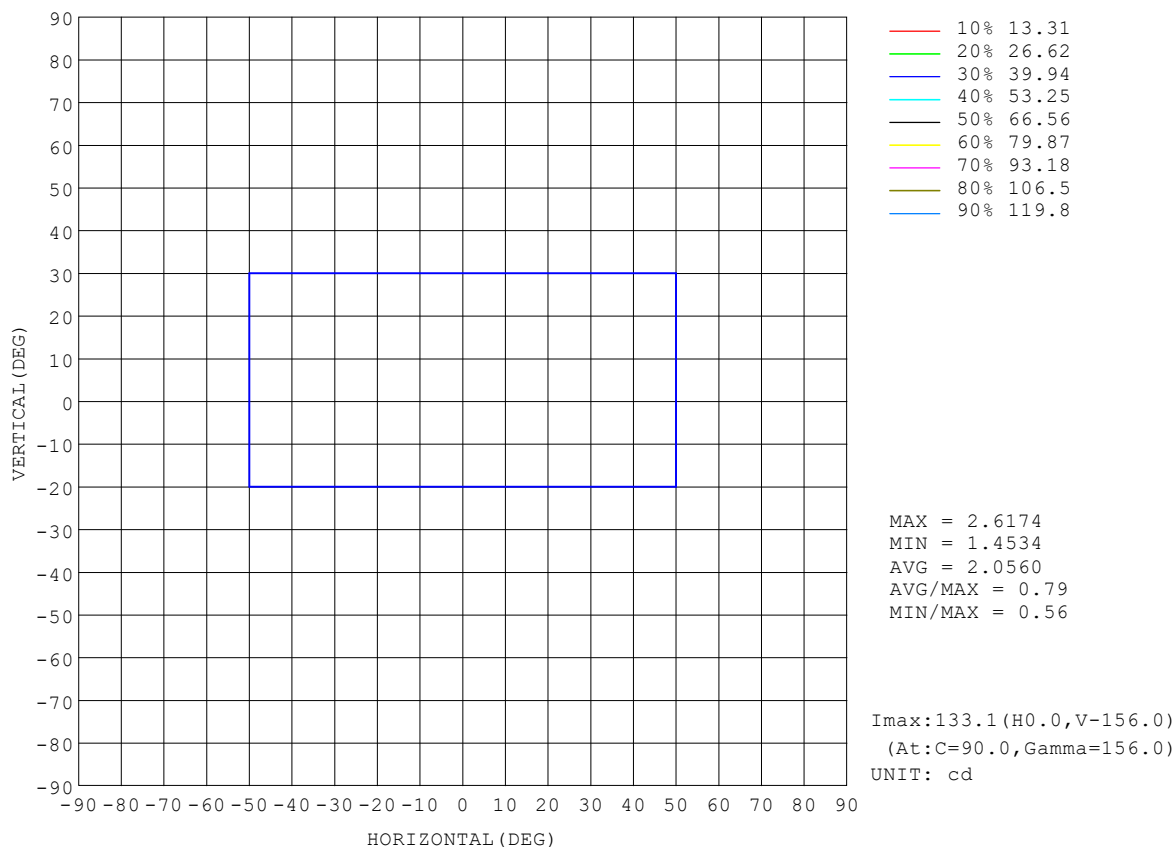
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 31 | 20 | 14 | 27 | 18 | 13 | 20 | 13 | 9 | 1 |
| 0.80 | 40 | 28 | 21 | 34 | 24 | 19 | 25 | 18 | 14 | 1 |
| 1.00 | 47 | 35 | 27 | 40 | 30 | 24 | 29 | 22 | 17 | 1 |
| 1.25 | 54 | 42 | 34 | 46 | 36 | 30 | 33 | 26 | 22 | 2 |
| 1.50 | 59 | 47 | 40 | 51 | 41 | 35 | 36 | 29 | 25 | 2 |
| 2.00 | 66 | 56 | 48 | 57 | 48 | 42 | 40 | 34 | 30 | 2 |
| 2.50 | 71 | 62 | 54 | 61 | 54 | 47 | 43 | 38 | 34 | 2 |
| 3.00 | 75 | 66 | 59 | 64 | 57 | 52 | 45 | 41 | 37 | 3 |
| 4.00 | 80 | 72 | 66 | 68 | 63 | 58 | 48 | 44 | 41 | 3 |
| 5.00 | 83 | 76 | 71 | 71 | 66 | 62 | 50 | 47 | 44 | 3 |
| ROOM INDEX | UF (total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: 001
 Test Date: 2024-10-10

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 8.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|--------------|------------------|
| Test:U:220.66V I:0.0322A P:6.5400W PF:0.9213 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:279.245x1 lm | | |
| NAME: WL3173-A 2700K RA90 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC lighting | SUR.: 345*12 | Shielding Angle: |

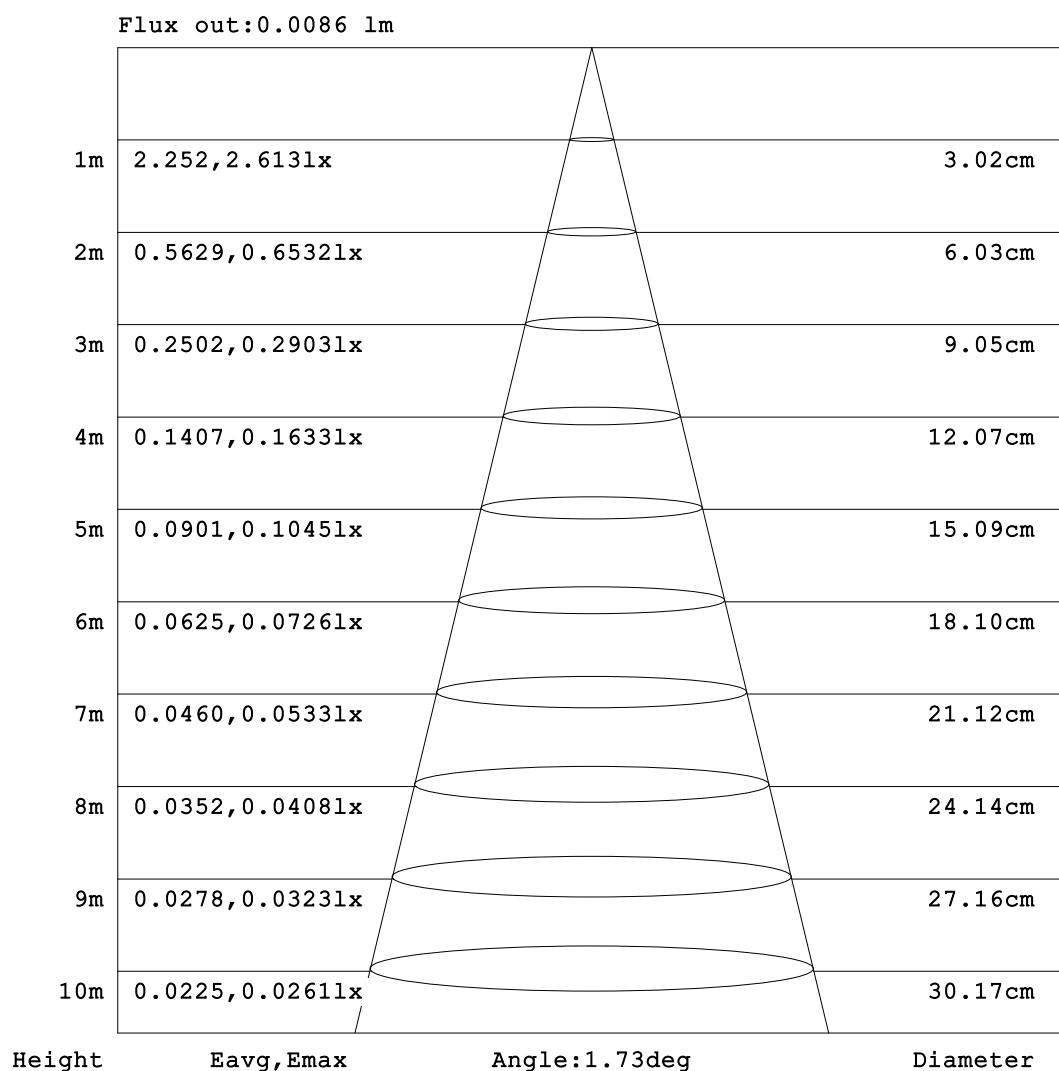


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-10-10

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|--------------|------------------|
| Test:U:220.66V I:0.0322A P:6.5400W PF:0.9213 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:279.245x1 lm | | |
| NAME: WL3173-A 2700K RA90 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC lighting | SUR.: 345*12 | Shielding Angle: |



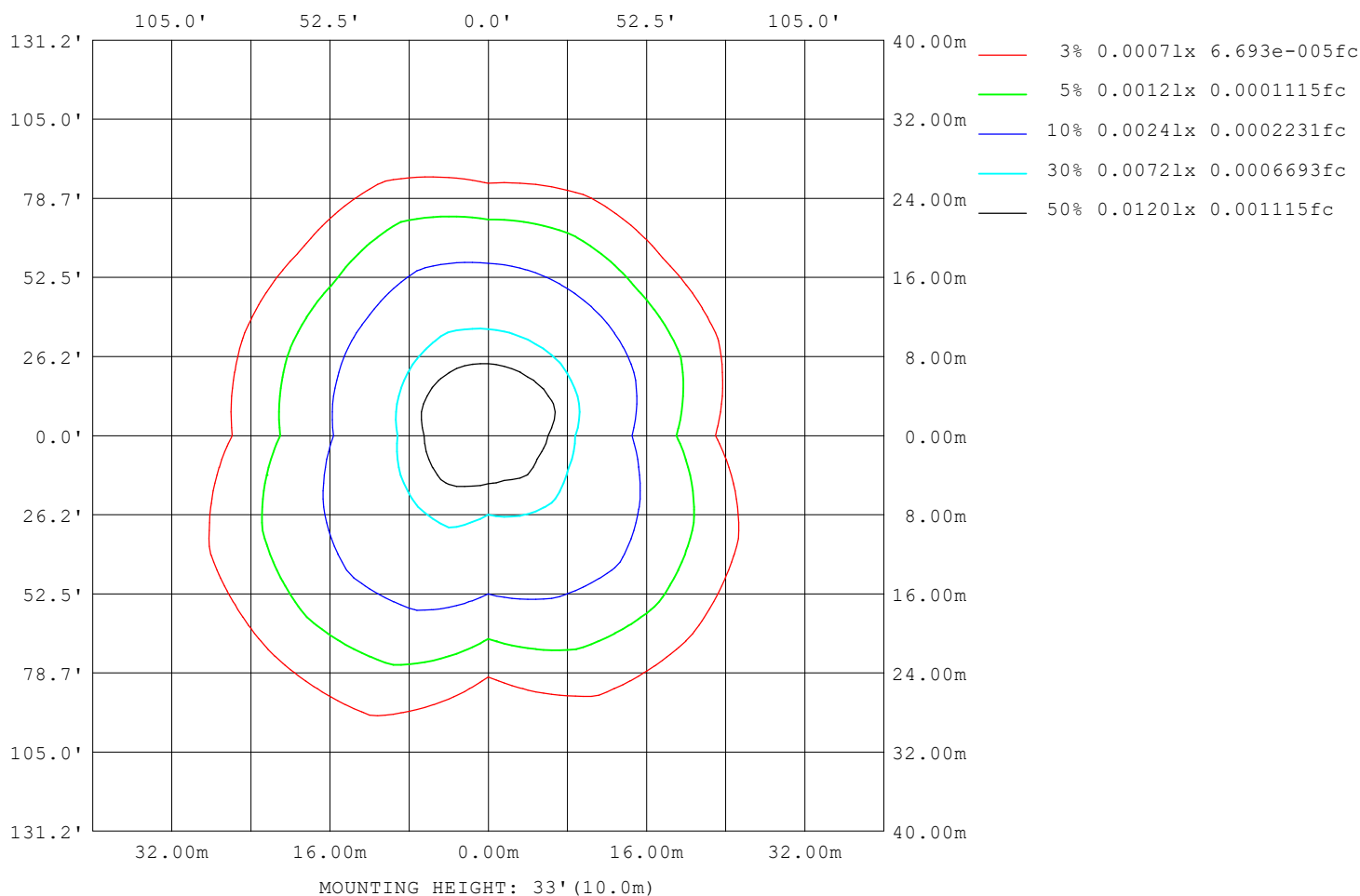
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-10-10

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|---|--------------|------------------|
| Test:U:220.66V I:0.0322A P:6.5400W PF:0.9213 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:279.245x1 lm | | |
| NAME: WL3173-A 2700K RA90 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC lighting | SUR.: 345*12 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: 001
Test Date: 2024-10-10

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 8.370m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|---|--------------|------------------|
| Test:U:220.66V I:0.0322A P:6.5400W PF:0.9213 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:279.245x1 lm | | |
| NAME: WL3173-A 2700K RA90 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC lighting | SUR.: 345*12 | Shielding Angle: |

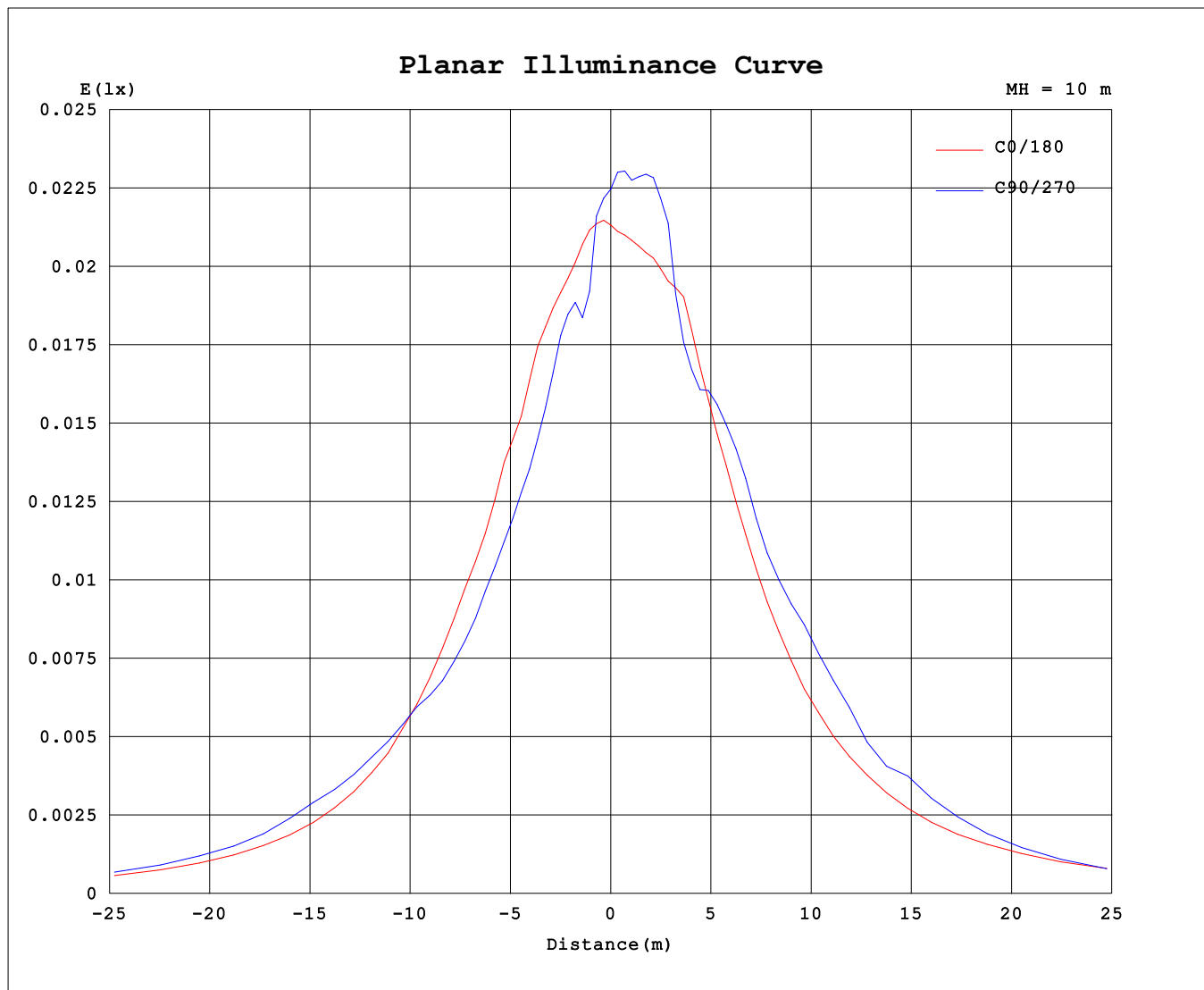
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 812 |
| L_0~180 (75) av | 1322 |
| L_0~180 (85) av | 4141 |
| L_90~270 (65) av | 893 |
| L_90~270 (75) av | 1233 |
| L_90~270 (85) av | 4181 |
| L_45 (65) av | 1179 |
| L_45 (75) av | 1728 |
| L_45 (85) av | 5321 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:001
Test Date:2024-10-10

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:8.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: 001
Test Date: 2024-10-10

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 8.370m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|--------------|------------------|
| Test:U:220.66V I:0.0322A P:6.5400W PF:0.9213 Freq:49.99Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:279.245x1 lm | | |
| NAME: WL3173-A 2700K RA90 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: VJC lighting | SUR.: 345*12 | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | | | |
|--------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | | | |
| 5 | 2.27 | 2.23 | 2.23 | 2.20 | 2.18 | 2.17 | 2.22 | 2.22 | 2.23 | 2.25 | 2.32 | 2.32 | 2.32 | 2.34 | 2.29 | 2.28 | | | |
| 10 | 2.22 | 2.14 | 1.86 | 1.84 | 1.98 | 1.90 | 1.97 | 2.11 | 2.26 | 2.32 | 2.34 | 2.38 | 2.41 | 2.41 | 2.30 | 2.23 | | | |
| 15 | 2.22 | 1.89 | 1.97 | 1.98 | 1.95 | 2.02 | 2.00 | 2.07 | 2.30 | 2.40 | 2.45 | 2.45 | 2.43 | 2.49 | 2.38 | 2.17 | | | |
| 20 | 2.22 | 1.86 | 1.95 | 1.78 | 1.75 | 1.87 | 2.10 | 1.85 | 2.42 | 2.53 | 2.55 | 2.18 | 2.12 | 2.21 | 2.39 | 2.14 | | | |
| 25 | 2.11 | 1.94 | 1.92 | 1.69 | 1.68 | 1.79 | 2.06 | 1.83 | 2.33 | 2.63 | 2.41 | 2.14 | 2.11 | 2.08 | 2.29 | 2.13 | | | |
| 30 | 2.04 | 1.86 | 1.88 | 1.67 | 1.61 | 1.81 | 2.02 | 1.81 | 2.22 | 2.50 | 2.47 | 2.30 | 2.31 | 2.15 | 2.08 | 2.12 | | | |
| 35 | 1.96 | 1.81 | 1.87 | 1.67 | 1.54 | 1.82 | 2.01 | 1.75 | 2.12 | 2.43 | 2.46 | 2.46 | 2.33 | 2.28 | 2.13 | 2.02 | | | |
| 40 | 1.83 | 1.78 | 1.89 | 1.71 | 1.51 | 1.90 | 1.99 | 1.69 | 1.96 | 2.24 | 2.42 | 2.35 | 2.23 | 2.14 | 2.18 | 1.92 | | | |
| 45 | 1.71 | 1.77 | 1.93 | 1.80 | 1.61 | 2.03 | 2.00 | 1.69 | 1.85 | 2.11 | 2.37 | 2.35 | 2.31 | 2.12 | 2.11 | 1.74 | | | |
| 50 | 1.53 | 1.77 | 2.06 | 1.96 | 1.64 | 2.27 | 2.14 | 1.69 | 1.74 | 1.93 | 2.19 | 2.52 | 2.24 | 2.11 | 1.98 | 1.57 | | | |
| 55 | 1.42 | 1.79 | 2.16 | 2.05 | 1.64 | 2.40 | 2.28 | 1.74 | 1.67 | 1.85 | 2.10 | 2.37 | 2.01 | 1.99 | 1.88 | 1.48 | | | |
| 60 | 1.30 | 1.85 | 2.30 | 2.09 | 1.53 | 2.48 | 2.49 | 1.81 | 1.60 | 1.77 | 1.92 | 2.23 | 1.96 | 1.85 | 1.66 | 1.38 | | | |
| 65 | 1.23 | 1.88 | 2.34 | 2.06 | 1.44 | 2.42 | 2.60 | 1.91 | 1.60 | 1.75 | 1.78 | 2.11 | 1.75 | 1.76 | 1.51 | 1.33 | | | |
| 70 | 1.15 | 1.87 | 2.16 | 2.02 | 1.30 | 2.39 | 2.51 | 2.03 | 1.64 | 1.76 | 1.73 | 1.91 | 1.41 | 1.58 | 1.36 | 1.23 | | | |
| 75 | 1.10 | 1.75 | 2.01 | 2.20 | 1.39 | 2.56 | 2.38 | 2.12 | 1.70 | 1.78 | 1.72 | 1.79 | 1.22 | 1.45 | 1.30 | 1.15 | | | |
| 80 | 1.04 | 1.70 | 2.21 | 2.71 | 1.83 | 3.08 | 2.52 | 2.21 | 1.86 | 1.78 | 1.61 | 1.47 | 0.99 | 1.21 | 1.16 | 1.02 | | | |
| 85 | 1.07 | 1.88 | 2.36 | 2.97 | 2.08 | 3.35 | 2.73 | 2.24 | 1.93 | 1.76 | 1.71 | 1.31 | 0.89 | 1.07 | 0.94 | 0.98 | | | |
| 90 | 0.86 | 1.82 | 2.45 | 3.10 | 3.04 | 5.53 | 6.68 | 6.19 | 5.86 | 5.05 | 3.33 | 1.65 | 0.72 | 0.69 | 0.64 | 0.77 | | | |
| 95 | 1.82 | 2.79 | 4.92 | 6.66 | 8.33 | 10.9 | 11.4 | 11.0 | 11.8 | 7.90 | 0.79 | 0.51 | 0.42 | 0.46 | 0.53 | 0.99 | | | |
| 100 | 12.5 | 12.9 | 14.6 | 18.1 | 18.1 | 22.7 | 21.4 | 19.2 | 16.2 | 12.5 | 4.84 | 3.31 | 0.56 | 2.41 | 3.30 | 5.51 | | | |
| 105 | 20.4 | 19.5 | 22.2 | 24.3 | 24.4 | 28.8 | 29.2 | 25.1 | 31.3 | 19.5 | 10.9 | 5.69 | 0.76 | 4.75 | 8.07 | 11.1 | | | |
| 110 | 33.0 | 31.1 | 35.0 | 37.1 | 37.4 | 42.4 | 42.0 | 35.5 | 44.2 | 30.7 | 22.3 | 14.4 | 6.74 | 11.8 | 17.2 | 19.1 | | | |
| 115 | 41.6 | 39.7 | 44.1 | 46.0 | 47.1 | 51.9 | 50.9 | 43.1 | 53.1 | 39.1 | 30.3 | 16.4 | 15.6 | 15.6 | 24.0 | 25.5 | | | |
| 120 | 55.2 | 53.0 | 58.0 | 60.2 | 62.0 | 66.3 | 64.6 | 54.6 | 66.8 | 52.4 | 42.7 | 2.83 | 20.9 | 1.50 | 31.5 | 33.8 | | | |
| 125 | 64.6 | 62.0 | 67.5 | 70.1 | 72.0 | 75.7 | 74.0 | 62.4 | 76.2 | 61.4 | 51.0 | 3.26 | 14.6 | 2.13 | 39.6 | 40.9 | | | |
| 130 | 78.7 | 75.6 | 82.3 | 85.6 | 86.8 | 90.1 | 88.2 | 74.0 | 90.3 | 75.3 | 62.9 | 4.57 | 16.8 | 6.47 | 51.8 | 51.1 | | | |
| 135 | 88.0 | 84.8 | 92.3 | 95.9 | 96.7 | 100.0 | 97.5 | 81.6 | 99.7 | 84.6 | 66.2 | 16.1 | 5.95 | 15.1 | 21.3 | 56.9 | | | |
| 140 | 86.1 | 76.6 | 107 | 110 | 111 | 114 | 107 | 91.9 | 113 | 98.0 | 0.32 | 37.6 | 14.5 | 36.2 | 0.31 | 50.4 | | | |
| 145 | 55.2 | 79.6 | 112 | 119 | 119 | 123 | 113 | 71.5 | 113 | 23.3 | 0.29 | 38.3 | 6.25 | 22.8 | 0.46 | 17.7 | | | |
| 150 | 64.9 | 91.5 | 118 | 123 | 131 | 129 | 118 | 78.4 | 64.5 | 31.8 | 33.6 | 16.0 | 0.22 | 0.30 | 21.9 | 30.9 | | | |
| 155 | 72.5 | 94.1 | 116 | 119 | 131 | 121 | 116 | 84.7 | 74.8 | 47.6 | 49.8 | 1.46 | 0.10 | 0.22 | 29.5 | 33.1 | | | |
| 160 | 95.6 | 102 | 101 | 124 | 127 | 114 | 112 | 88.9 | 80.9 | 66.4 | 53.9 | 17.3 | 0.13 | 0.16 | 3.57 | 27.2 | | | |
| 165 | 103 | 98.3 | 103 | 118 | 120 | 110 | 105 | 96.1 | 112 | 94.8 | 50.1 | 31.6 | 18.3 | 5.80 | 0.17 | 17.3 | | | |
| 170 | 79.4 | 92.9 | 107 | 128 | 126 | 117 | 98.7 | 78.7 | 79.3 | 66.3 | 55.1 | 57.0 | 51.4 | 54.1 | 24.1 | 0.17 | | | |
| 175 | 100 | 112 | 126 | 131 | 129 | 123 | 103 | 79.7 | 81.4 | 75.3 | 74.3 | 81.3 | 67.3 | 66.1 | 67.6 | 0.21 | | | |
| 180 | 118 | 117 | 116 | 114 | 112 | 112 | 109 | 73.1 | 118 | 117 | 116 | 114 | 112 | 112 | 109 | 73.1 | | | |

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:001

Test Date:2024-10-10

γ Range: 0 - 180DEG

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