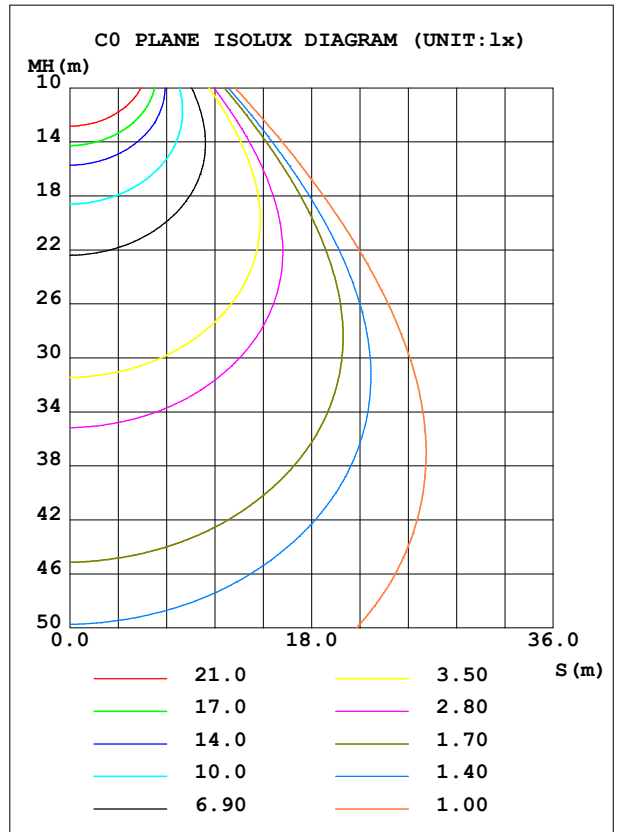
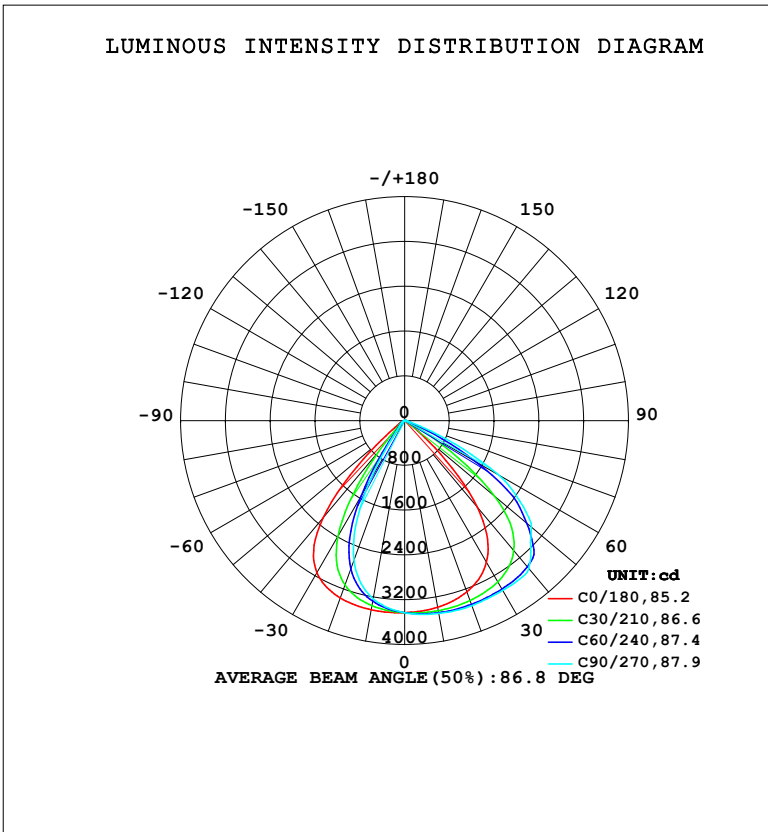


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|-----------------|------------------|
| Test:U:220.43V I:0.2363A P:50.178W PF:0.9632 Freq:50.00Hz Lamp Flux:6382.13x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: 192*142mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | |
|-------------------|---------|------------------|--------|--------------------------|-----------|
| MODEL | 512 | Imax (cd) | 3518 | S/MH (C0/180) | 1.25 |
| NOMINAL POWER (W) | 50 | LOR (%) | 100.0 | S/MH (C90/270) | 0.81 |
| RATED VOLTAGE (V) | 220 | TOTAL FLUX (lm) | 6382.1 | η UP, DN (C0-180) | 0.0, 71.9 |
| NOMINAL FLUX (lm) | 6382.13 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.0, 28.1 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 1.00 |
| TEST VOLTAGE (V) | 219.5 | η down (%) | 100.0 | CIBSE SHR MAX | 1.15 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-01-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 9.401m [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 | 3386 | 3469 | 3497 | 3492 | 3431 | 3314 | 3232 | 3268 | 0- 10 | 325.4 | 325.4 | 5.1,5.1 |
| 20 | 3254 | 3467 | 3516 | 3508 | 3369 | 2958 | 2656 | 2849 | 10- 20 | 935.2 | 1261 | 19.8,19.8 |
| 30 | 2923 | 3426 | 3503 | 3497 | 3136 | 1917 | 1235 | 1787 | 20- 30 | 1370 | 2630 | 41.2,41.2 |
| 40 | 2021 | 3283 | 3450 | 3422 | 2272 | 360.6 | 190.3 | 347.7 | 30- 40 | 1427 | 4057 | 63.6,63.6 |
| 50 | 481.7 | 2719 | 2957 | 2922 | 540.3 | 118.3 | 89.82 | 110.2 | 40- 50 | 1215 | 5272 | 82.6,82.6 |
| 60 | 108.0 | 981.1 | 1930 | 1102 | 117.5 | 60.24 | 46.32 | 59.04 | 50- 60 | 794.7 | 6067 | 95.1,95.1 |
| 70 | 47.69 | 109.5 | 297.2 | 119.5 | 50.98 | 20.07 | 17.11 | 19.77 | 60- 70 | 262.4 | 6329 | 99.2,99.2 |
| 80 | 13.11 | 29.87 | 31.83 | 31.14 | 14.02 | 10.81 | 9.828 | 11.07 | 70- 80 | 43.34 | 6373 | 99.9,99.9 |
| 90 | 0.6143 | 2.245 | 4.281 | 2.276 | 0.8051 | 3.415 | 4.486 | 4.292 | 80- 90 | 9.370 | 6382 | 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 | | |

Conical surface Flux(90deg): 4703 lm

%lum = 73.7%

%lamp = 73.7%

Conical surface Flux(130deg): 6252.7 lm

%lum = 98.0%

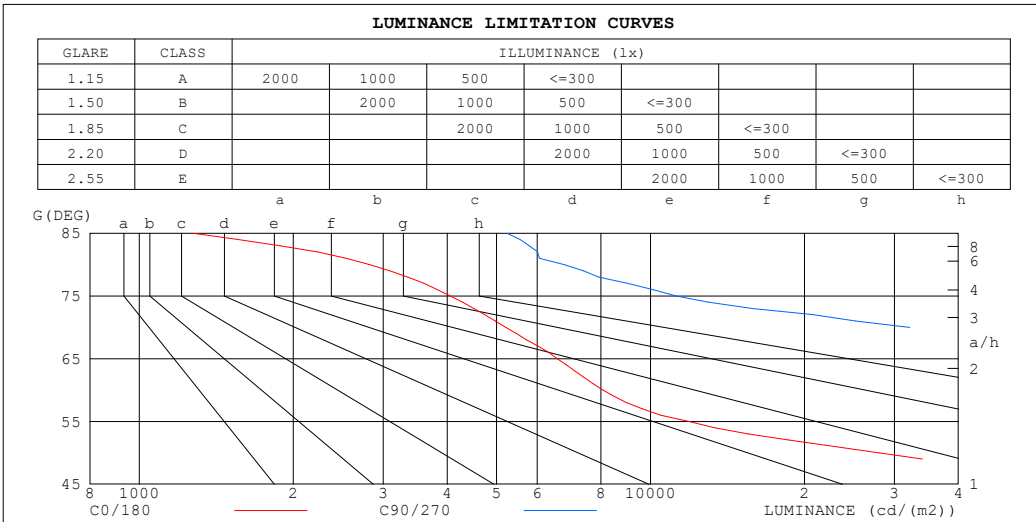
%lamp = 98.0%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-01-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|-----------------|------------------|
| Test:U:220.43V I:0.2363A P:50.178W PF:0.9632 Freq:50.00Hz Lamp Flux:6382.13x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: 192*142mm | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 1276 | 5240 |
| 80 | 2823 | 6780 |
| 75 | 4061 | 11239 |
| 70 | 5214 | 32137 |
| 65 | 6575 | 86105 |
| 60 | 8080 | 142743 |
| 55 | 11905 | 162085 |
| 50 | 28025 | 170147 |
| 45 | 64054 | 166580 |

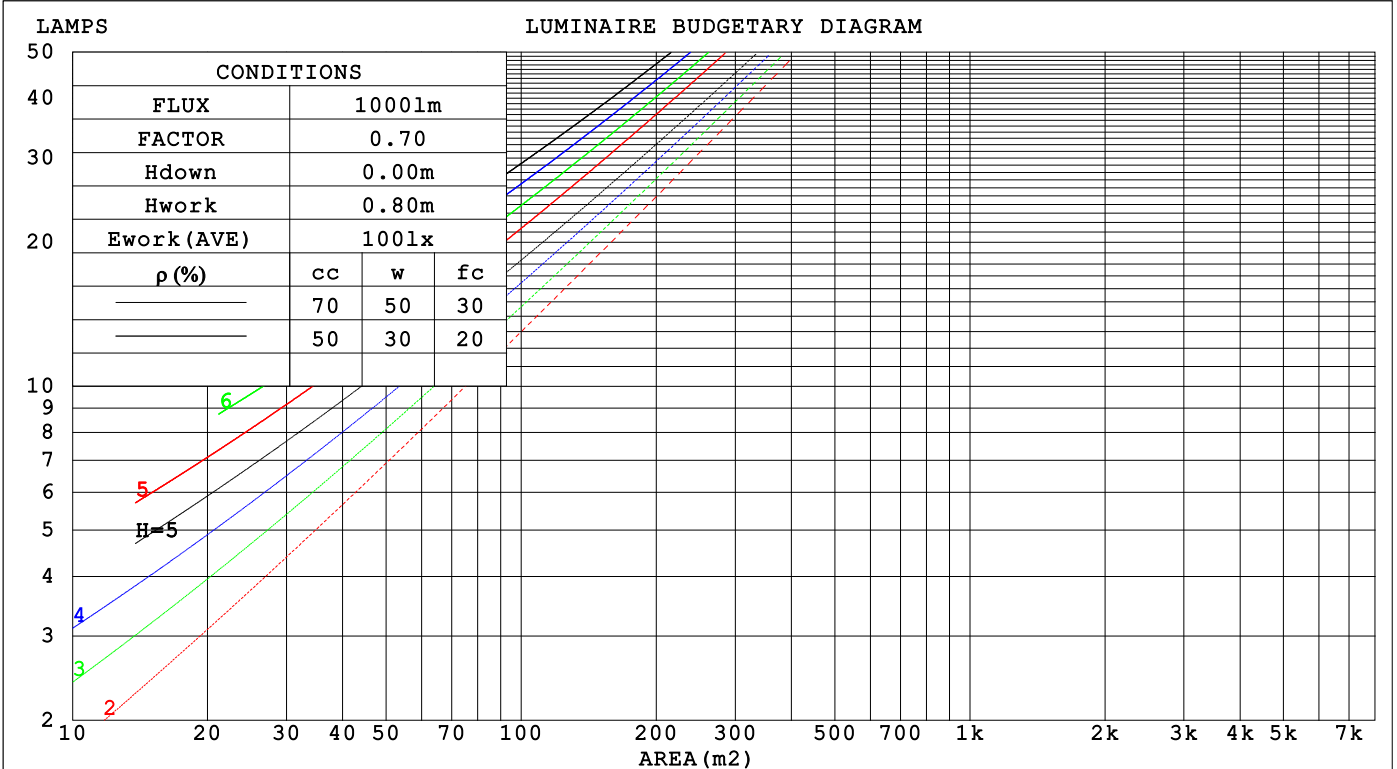
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-01-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|-----------------|------------------|
| Test:U:220.43V I:0.2363A P:50.178W PF:0.9632 Freq:50.00Hz | | |
| Lamp Flux:6382.13x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: 192*142mm | 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 | 1.08 | 1.05 | 1.02 | 1.06 | 1.03 | 1.00 | 1.02 | .99 | .97 | .98 | .96 | .94 | .94 | .93 | .92 | .90 |
| 2.0 | .97 | .92 | .88 | .96 | .91 | .87 | .92 | .88 | .85 | .89 | .86 | .83 | .86 | .84 | .81 | .79 |
| 3.0 | .88 | .81 | .76 | .86 | .80 | .76 | .84 | .79 | .74 | .81 | .77 | .73 | .79 | .75 | .72 | .70 |
| 4.0 | .80 | .72 | .67 | .78 | .72 | .66 | .76 | .70 | .66 | .74 | .69 | .65 | .72 | .67 | .64 | .62 |
| 5.0 | .72 | .65 | .59 | .71 | .64 | .59 | .69 | .63 | .58 | .67 | .62 | .58 | .66 | .61 | .57 | .55 |
| 6.0 | .66 | .58 | .53 | .65 | .58 | .53 | .63 | .57 | .52 | .62 | .56 | .52 | .60 | .55 | .51 | .50 |
| 7.0 | .61 | .53 | .48 | .60 | .53 | .47 | .58 | .52 | .47 | .57 | .51 | .47 | .56 | .50 | .46 | .45 |
| 8.0 | .56 | .48 | .43 | .55 | .48 | .43 | .54 | .47 | .43 | .53 | .47 | .42 | .52 | .46 | .42 | .41 |
| 9.0 | .52 | .44 | .39 | .51 | .44 | .39 | .50 | .43 | .39 | .49 | .43 | .39 | .48 | .43 | .39 | .37 |
| 10.0 | .48 | .41 | .36 | .47 | .40 | .36 | .46 | .40 | .36 | .46 | .40 | .36 | .45 | .39 | .35 | .34 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-01-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | | | | | | | |
|---|--|--|-----------------|--|--|------------------|--|--|
| Test:U:220.43V I:0.2363A P:50.178W PF:0.9632 Freq:50.00Hz | | | | | | | | |
| Lamp Flux:6382.13x1 lm | | | | | | | | |
| NAME: | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | DIM.: | | | SERIAL No.: | | |
| MFR.: EVERFINE | | | SUR.: 192*142mm | | | 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 | | | | | | Wall Exitance Coefficients (WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .229 | .130 | .041 | .222 | .127 | .040 | .209 | .120 | .038 | .197 | .114 | .037 | .186 | .108 | .035 | |
| 2.0 | .224 | .123 | .038 | .218 | .120 | .037 | .207 | .115 | .036 | .197 | .111 | .035 | .188 | .106 | .033 | |
| 3.0 | .215 | .114 | .034 | .210 | .112 | .034 | .200 | .108 | .033 | .191 | .105 | .032 | .183 | .101 | .031 | |
| 4.0 | .204 | .106 | .031 | .200 | .104 | .031 | .191 | .101 | .030 | .183 | .098 | .030 | .176 | .096 | .029 | |
| 5.0 | .193 | .099 | .029 | .189 | .097 | .028 | .182 | .095 | .028 | .175 | .092 | .027 | .168 | .090 | .027 | |
| 6.0 | .183 | .092 | .026 | .179 | .091 | .026 | .173 | .088 | .026 | .166 | .086 | .025 | .160 | .084 | .025 | |
| 7.0 | .173 | .086 | .024 | .170 | .085 | .024 | .164 | .083 | .024 | .158 | .081 | .024 | .153 | .079 | .023 | |
| 8.0 | .164 | .080 | .022 | .161 | .079 | .022 | .156 | .078 | .022 | .150 | .076 | .022 | .146 | .075 | .022 | |
| 9.0 | .155 | .075 | .021 | .153 | .074 | .021 | .148 | .073 | .021 | .143 | .072 | .021 | .139 | .071 | .020 | |
| 10.0 | .147 | .071 | .020 | .145 | .070 | .020 | .141 | .069 | .019 | .137 | .068 | .019 | .133 | .067 | .019 | |

| 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 | | | | | | Ceiling Cavity Exitance Coefficients (CCEC) | | | | | | | | | |
| 0.0 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .175 | .157 | .141 | .149 | .135 | .121 | .102 | .093 | .084 | .059 | .054 | .049 | .019 | .017 | .016 | |
| 2.0 | .163 | .132 | .106 | .140 | .114 | .092 | .096 | .079 | .064 | .055 | .046 | .038 | .018 | .015 | .012 | |
| 3.0 | .154 | .114 | .082 | .132 | .098 | .071 | .091 | .068 | .050 | .052 | .040 | .029 | .017 | .013 | .010 | |
| 4.0 | .146 | .100 | .065 | .125 | .086 | .056 | .086 | .060 | .040 | .050 | .035 | .024 | .016 | .011 | .008 | |
| 5.0 | .138 | .089 | .053 | .119 | .077 | .046 | .082 | .054 | .032 | .047 | .032 | .019 | .015 | .010 | .006 | |
| 6.0 | .132 | .080 | .044 | .113 | .070 | .038 | .078 | .049 | .027 | .045 | .029 | .016 | .015 | .009 | .005 | |
| 7.0 | .126 | .073 | .037 | .108 | .064 | .032 | .075 | .045 | .023 | .043 | .026 | .014 | .014 | .009 | .004 | |
| 8.0 | .120 | .067 | .031 | .103 | .059 | .027 | .071 | .041 | .019 | .042 | .024 | .012 | .013 | .008 | .004 | |
| 9.0 | .115 | .063 | .027 | .099 | .054 | .024 | .068 | .038 | .017 | .040 | .023 | .010 | .013 | .007 | .003 | |
| 10.0 | .110 | .058 | .024 | .094 | .051 | .021 | .066 | .036 | .015 | .038 | .021 | .009 | .012 | .007 | .003 | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-01-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|-----------------|------|------|----------------|------------------|------|------|------|
| Test:U:220.43V I:0.2363A P:50.178W PF:0.9632 Freq:50.00Hz | | | | | | | | | | |
| Lamp Flux:6382.13x1 lm | | | | | | | | | | |
| NAME: | | | TYPE: | | | | WEIGHT: | | | |
| SPEC.: | | | DIM.: | | | | SERIAL No.: | | | |
| MFR.: EVERFINE | | | SUR.: 192*142mm | | | | 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 | 21.0 | 22.3 | 21.3 | 22.5 | 22.7 | 26.0 | 27.2 | 26.2 | 27.4 | 27.6 |
| 3H | 20.9 | 22.0 | 21.2 | 22.3 | 22.5 | 26.1 | 27.2 | 26.3 | 27.5 | 27.7 |
| 4H | 20.8 | 21.9 | 21.1 | 22.1 | 22.4 | 26.0 | 27.1 | 26.3 | 27.3 | 27.6 |
| 6H | 20.7 | 21.7 | 21.0 | 22.0 | 22.2 | 25.9 | 26.9 | 26.2 | 27.2 | 27.4 |
| 8H | 20.6 | 21.6 | 21.0 | 21.9 | 22.2 | 25.8 | 26.8 | 26.2 | 27.1 | 27.4 |
| 12H | 20.6 | 21.5 | 20.9 | 21.8 | 22.1 | 25.8 | 26.7 | 26.1 | 27.0 | 27.3 |
| 4H 2H | 21.6 | 22.7 | 21.9 | 22.9 | 23.1 | 25.8 | 26.9 | 26.1 | 27.2 | 27.4 |
| 3H | 21.4 | 22.4 | 21.8 | 22.6 | 22.9 | 25.9 | 26.9 | 26.3 | 27.2 | 27.5 |
| 4H | 21.3 | 22.2 | 21.7 | 22.5 | 22.8 | 25.9 | 26.7 | 26.2 | 27.0 | 27.3 |
| 6H | 21.3 | 22.0 | 21.6 | 22.3 | 22.7 | 25.8 | 26.5 | 26.2 | 26.9 | 27.2 |
| 8H | 21.2 | 21.9 | 21.6 | 22.3 | 22.6 | 25.7 | 26.4 | 26.1 | 26.8 | 27.2 |
| 12H | 21.2 | 21.8 | 21.6 | 22.2 | 22.6 | 25.7 | 26.3 | 26.1 | 26.7 | 27.1 |
| 8H 4H | 21.2 | 21.9 | 21.6 | 22.3 | 22.7 | 25.7 | 26.4 | 26.1 | 26.8 | 27.2 |
| 6H | 21.2 | 21.7 | 21.6 | 22.1 | 22.5 | 25.7 | 26.2 | 26.1 | 26.6 | 27.0 |
| 8H | 21.1 | 21.6 | 21.6 | 22.0 | 22.5 | 25.6 | 26.1 | 26.1 | 26.5 | 27.0 |
| 12H | 21.1 | 21.5 | 21.5 | 21.9 | 22.4 | 25.6 | 26.0 | 26.0 | 26.4 | 26.9 |
| 12H 4H | 21.2 | 21.8 | 21.6 | 22.2 | 22.6 | 25.7 | 26.3 | 26.1 | 26.7 | 27.1 |
| 6H | 21.1 | 21.6 | 21.6 | 22.0 | 22.5 | 25.6 | 26.1 | 26.1 | 26.5 | 27.0 |
| 8H | 21.1 | 21.5 | 21.5 | 21.9 | 22.4 | 25.6 | 26.0 | 26.0 | 26.4 | 26.9 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 2.3 / - 5.8 | | | | | + 0.6 / - 0.8 | | | | |
| 1.5H | + 1.9 / - 5.8 | | | | | + 0.9 / - 1.5 | | | | |
| 2.0H | + 4.0 / -10.3 | | | | | + 1.6 / - 3.7 | | | | |

CIE Pub.117, 6382 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 6.4)
 Area: 0.027 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-01-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|-----------------|------------------|
| Test:U:220.43V I:0.2363A P:50.178W PF:0.9632 Freq:50.00Hz Lamp Flux:6382.13x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: 192*142mm | Shielding Angle: |

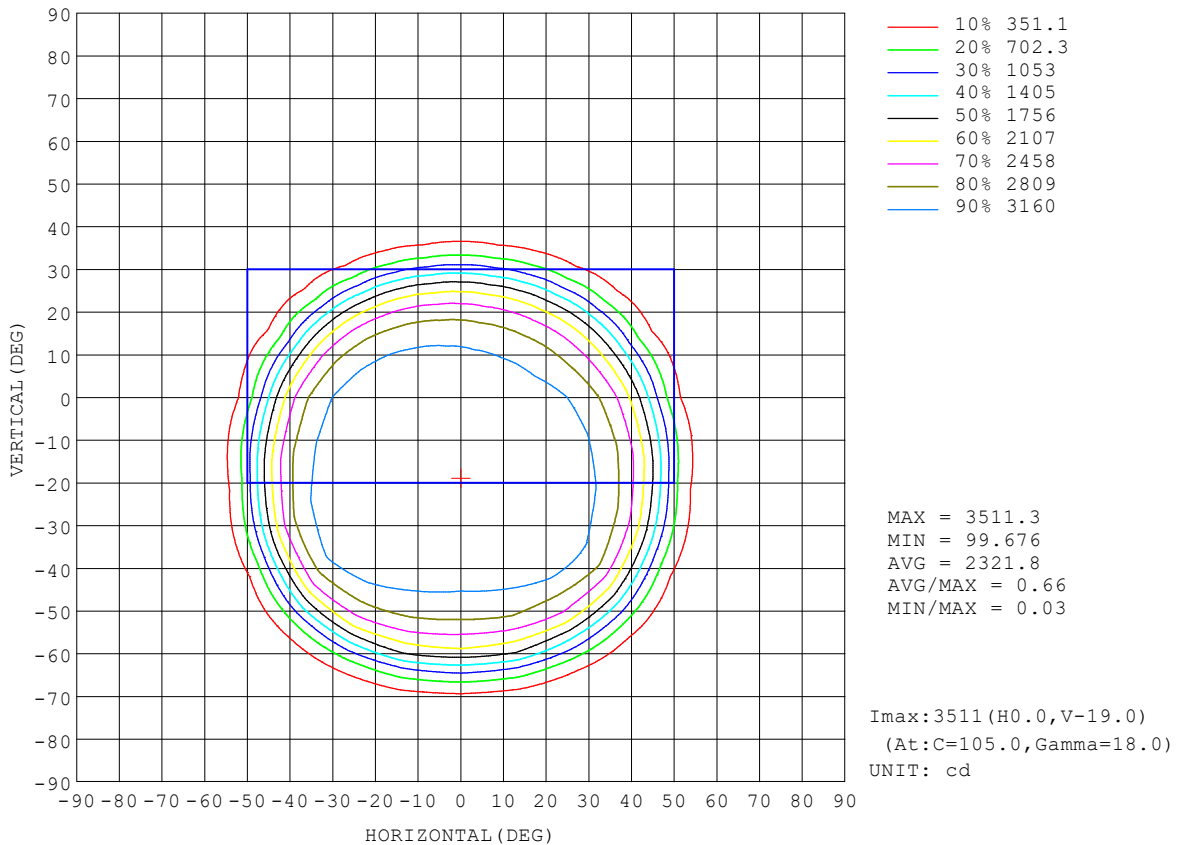
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 68 | 58 | 52 | 67 | 58 | 52 | 66 | 58 | 52 | 47 |
| 0.80 | 78 | 69 | 63 | 77 | 68 | 63 | 76 | 68 | 62 | 57 |
| 1.00 | 86 | 78 | 72 | 85 | 77 | 72 | 83 | 78 | 71 | 66 |
| 1.25 | 93 | 85 | 79 | 92 | 84 | 79 | 89 | 83 | 78 | 72 |
| 1.50 | 97 | 90 | 85 | 96 | 89 | 84 | 93 | 87 | 83 | 77 |
| 2.00 | 102 | 96 | 91 | 101 | 95 | 91 | 98 | 93 | 89 | 83 |
| 2.50 | 105 | 99 | 95 | 103 | 98 | 94 | 100 | 96 | 92 | 85 |
| 3.00 | 107 | 103 | 99 | 106 | 101 | 97 | 102 | 98 | 95 | 88 |
| 4.00 | 110 | 106 | 103 | 108 | 104 | 101 | 104 | 101 | 99 | 91 |
| 5.00 | 112 | 108 | 105 | 110 | 106 | 104 | 105 | 103 | 101 | 92 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-01-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|-----------------|------------------|
| Test:U:220.43V I:0.2363A P:50.178W PF:0.9632 Freq:50.00Hz Lamp Flux:6382.13x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: 192*142mm | Shielding Angle: |

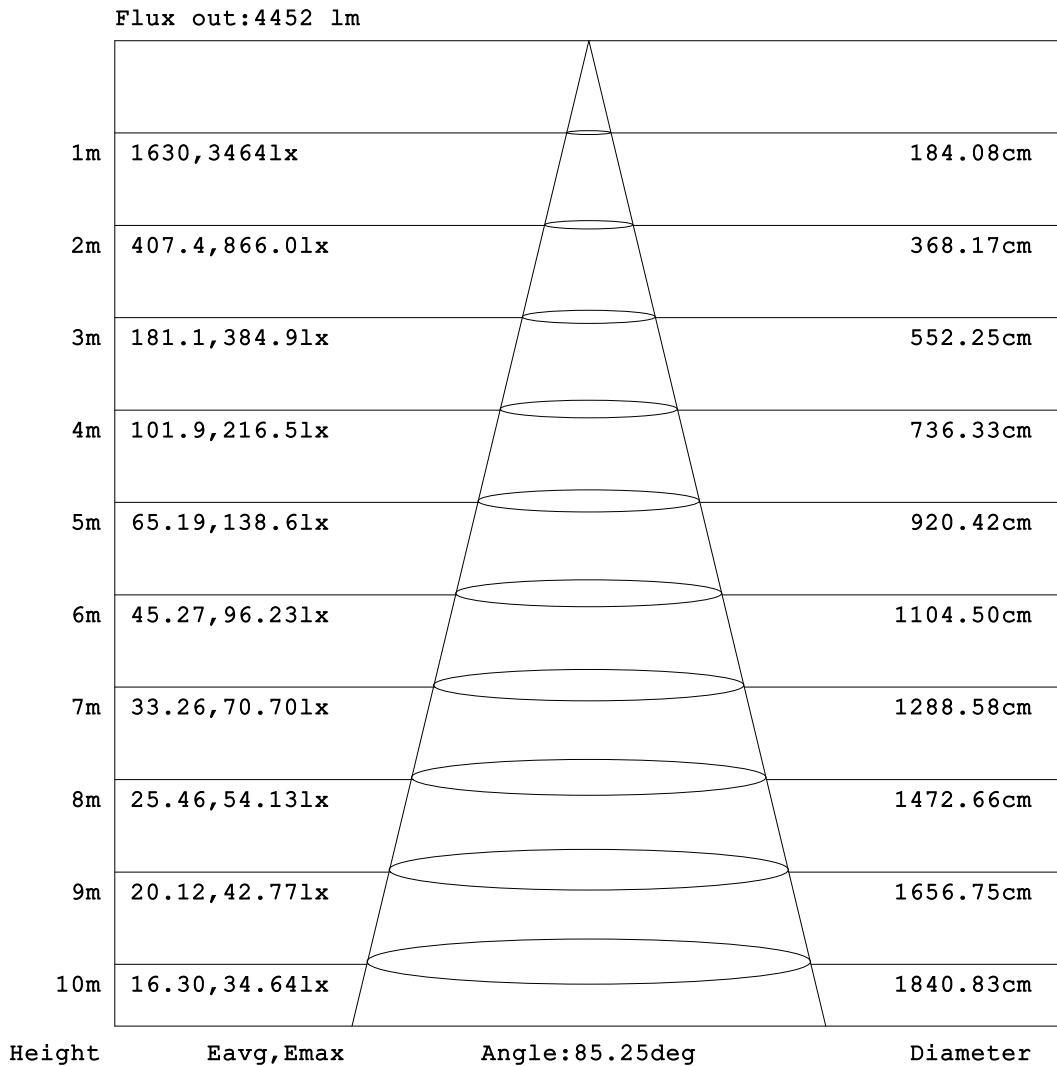


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-01-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|---|-----------------|------------------|
| Test:U:220.43V I:0.2363A P:50.178W PF:0.9632 Freq:50.00Hz Lamp Flux:6382.13x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: 192*142mm | Shielding Angle: |



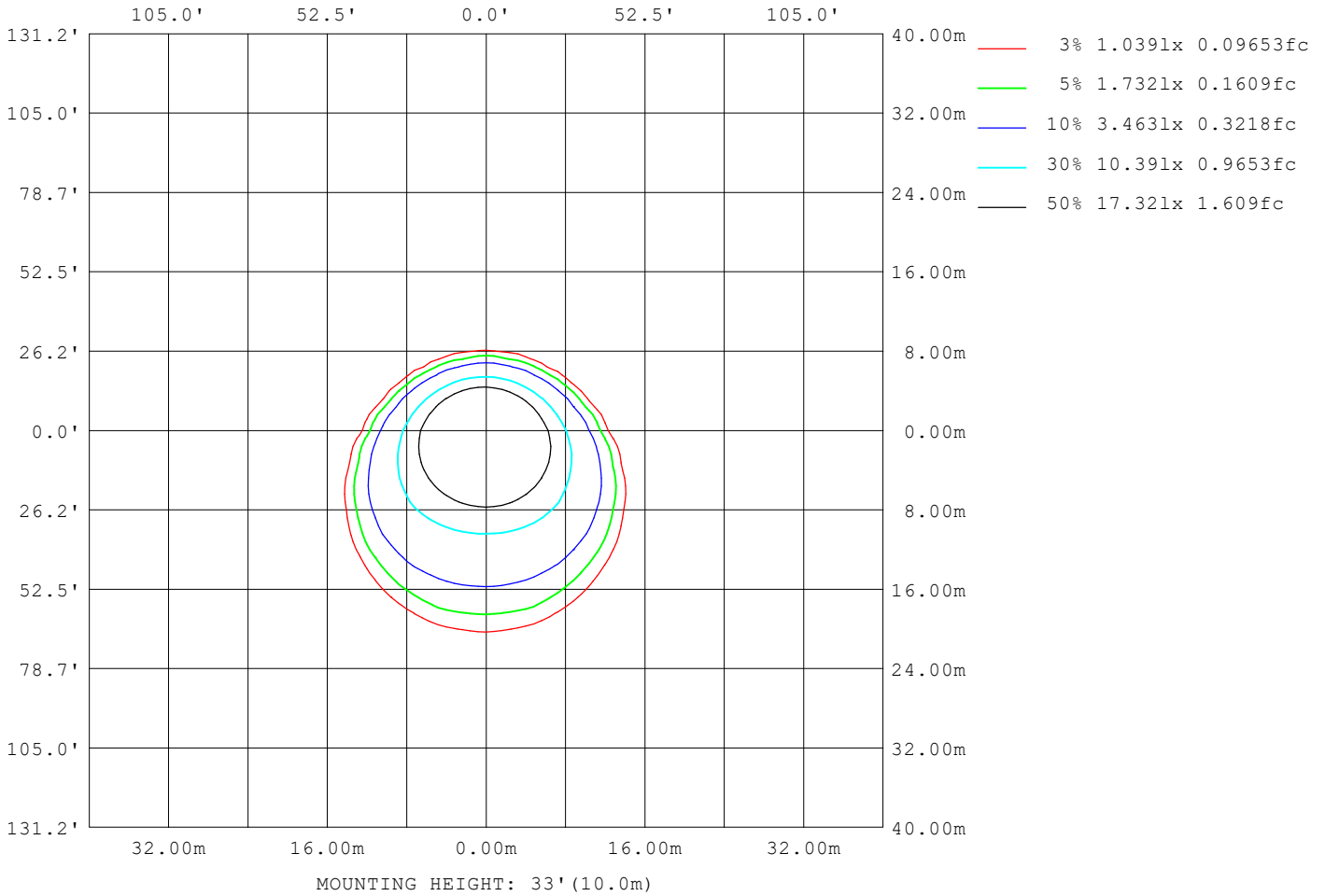
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-01-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.401m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|---|-----------------|------------------|
| Test:U:220.43V I:0.2363A P:50.178W PF:0.9632 Freq:50.00Hz Lamp Flux:6382.13x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: 192*142mm | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-01-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|---|-----------------|------------------|
| Test:U:220.43V I:0.2363A P:50.178W PF:0.9632 Freq:50.00Hz Lamp Flux:6382.13x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: 192*142mm | Shielding Angle: |

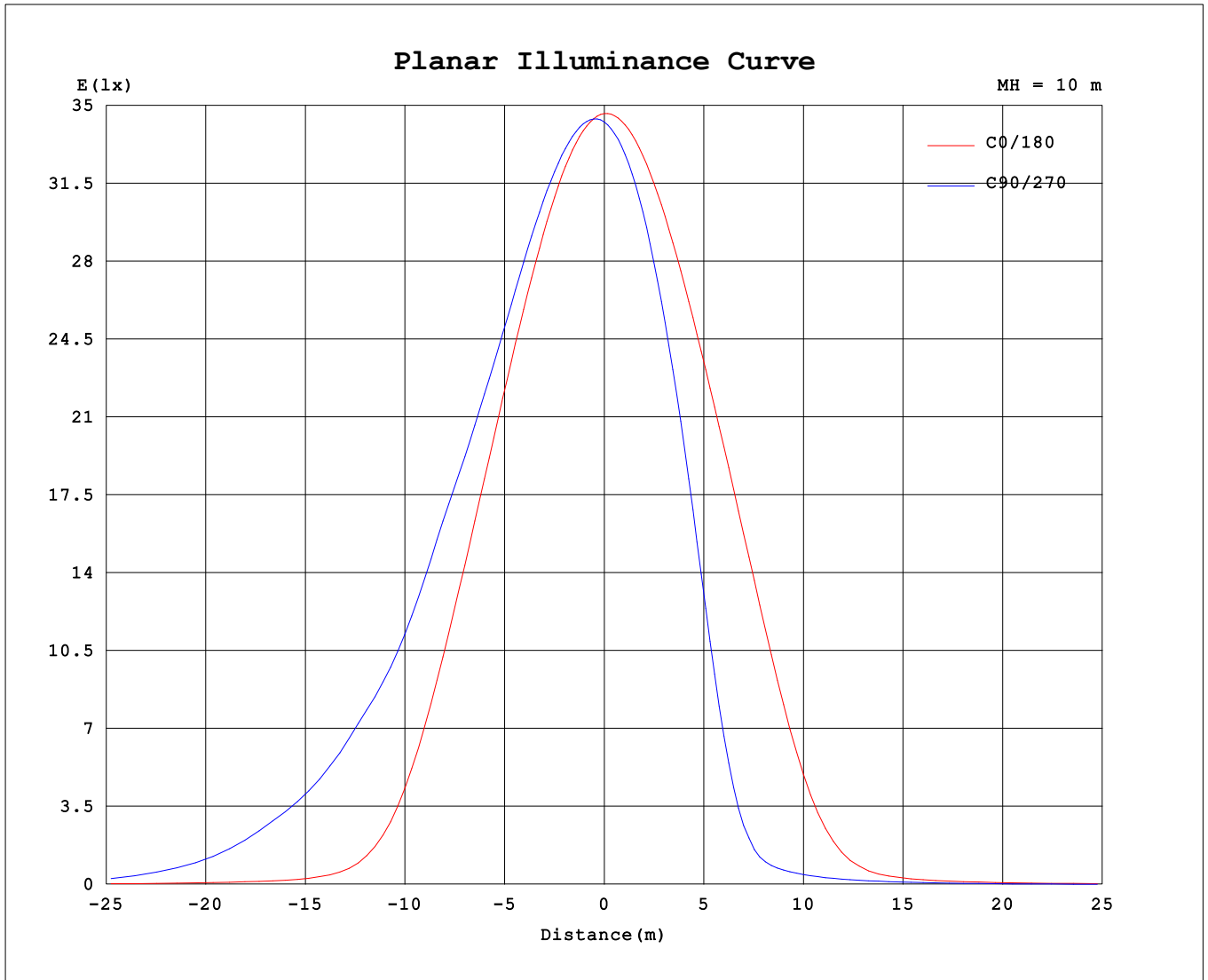
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 6753 |
| L_0~180 (75) av | 4142 |
| L_0~180 (85) av | 1363 |
| L_90~270 (65) av | 44284 |
| L_90~270 (75) av | 6685 |
| L_90~270 (85) av | 3298 |
| L_45 (65) av | 15856 |
| L_45 (75) av | 5025 |
| L_45 (85) av | 3976 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2024-01-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2024-01-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 9.401m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.43V I:0.2363A P:50.178W PF:0.9632 Freq:50.00Hz
Lamp Flux:6382.13x1 lm

| | | |
|----------------|-----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: 192*142mm | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) \ γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 3430 | 3430 | 3430 | 3430 | 3430 | 3430 | 3430 | 3430 | 3430 | 3430 | 3430 | 3430 | 3430 | 3430 | 3430 | 3430 | 3430 | 3430 | 3430 |
| 5 | 3414 | 3431 | 3442 | 3455 | 3462 | 3470 | 3473 | 3475 | 3471 | 3468 | 3460 | 3449 | 3436 | 3421 | 3405 | 3389 | 3375 | 3364 | 3358 |
| 10 | 3386 | 3422 | 3447 | 3469 | 3483 | 3493 | 3497 | 3500 | 3498 | 3492 | 3478 | 3458 | 3431 | 3396 | 3357 | 3314 | 3277 | 3246 | 3232 |
| 15 | 3336 | 3399 | 3440 | 3474 | 3493 | 3507 | 3513 | 3516 | 3511 | 3505 | 3488 | 3458 | 3412 | 3348 | 3273 | 3185 | 3108 | 3041 | 3014 |
| 20 | 3254 | 3353 | 3419 | 3467 | 3492 | 3509 | 3516 | 3518 | 3513 | 3508 | 3485 | 3440 | 3369 | 3260 | 3123 | 2958 | 2816 | 2698 | 2656 |
| 25 | 3128 | 3283 | 3385 | 3453 | 3486 | 3505 | 3507 | 3515 | 3513 | 3506 | 3473 | 3404 | 3289 | 3101 | 2856 | 2570 | 2327 | 2133 | 2070 |
| 30 | 2923 | 3168 | 3326 | 3426 | 3475 | 3502 | 3503 | 3514 | 3511 | 3497 | 3448 | 3333 | 3136 | 2804 | 2382 | 1917 | 1559 | 1302 | 1235 |
| 35 | 2584 | 2972 | 3220 | 3374 | 3456 | 3494 | 3501 | 3511 | 3503 | 3473 | 3384 | 3188 | 2839 | 2259 | 1614 | 1034 | 700 | 513 | 483 |
| 40 | 2021 | 2645 | 3031 | 3283 | 3410 | 3466 | 3450 | 3480 | 3476 | 3422 | 3250 | 2899 | 2272 | 1413 | 739 | 361 | 240 | 194 | 190 |
| 45 | 1211 | 2079 | 2701 | 3105 | 3268 | 3215 | 3185 | 3250 | 3304 | 3301 | 2976 | 2333 | 1382 | 581 | 260 | 172 | 145 | 125 | 126 |
| 50 | 482 | 1234 | 2095 | 2719 | 2845 | 2922 | 2957 | 2969 | 2984 | 2922 | 2382 | 1399 | 540 | 219 | 149 | 118 | 104 | 91.6 | 89.8 |
| 55 | 183 | 491 | 1184 | 1934 | 2369 | 2492 | 2514 | 2555 | 2493 | 2165 | 1360 | 539 | 198 | 134 | 103 | 87.2 | 75.6 | 67.1 | 65.8 |
| 60 | 108 | 184 | 428 | 981 | 1454 | 1851 | 1930 | 1922 | 1611 | 1102 | 472 | 202 | 117 | 88.7 | 72.5 | 60.2 | 52.6 | 46.9 | 46.3 |
| 65 | 74.3 | 107 | 147 | 299 | 594 | 880 | 984 | 917 | 647 | 350 | 161 | 114 | 79.8 | 59.6 | 47.2 | 38.0 | 32.0 | 27.6 | 26.7 |
| 70 | 47.7 | 66.6 | 79.3 | 109 | 170 | 246 | 297 | 270 | 189 | 120 | 84.5 | 70.2 | 51.0 | 37.3 | 26.7 | 20.1 | 17.4 | 16.9 | 17.1 |
| 75 | 28.1 | 37.7 | 46.1 | 56.3 | 67.9 | 73.4 | 78.7 | 76.0 | 70.6 | 59.5 | 48.9 | 39.3 | 29.8 | 20.0 | 13.6 | 12.3 | 13.2 | 14.5 | 14.8 |
| 80 | 13.1 | 18.2 | 23.0 | 29.9 | 31.1 | 31.7 | 31.8 | 32.1 | 30.9 | 31.1 | 24.0 | 19.4 | 14.0 | 8.60 | 8.39 | 10.8 | 11.3 | 10.3 | 9.83 |
| 85 | 2.97 | 6.08 | 7.73 | 10.6 | 11.5 | 13.5 | 12.3 | 13.2 | 11.9 | 10.7 | 8.41 | 6.64 | 3.44 | 4.69 | 8.08 | 7.92 | 3.95 | 3.13 | 3.17 |
| 90 | 0.61 | 1.23 | 1.70 | 2.24 | 3.70 | 4.97 | 4.28 | 5.01 | 3.89 | 2.28 | 1.80 | 1.83 | 0.81 | 3.00 | 4.98 | 3.42 | 3.66 | 4.20 | 4.49 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2024-01-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:9.401m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-----------------|------------------|
| Test:U:220.43V I:0.2363A P:50.178W PF:0.9632 Freq:50.00Hz Lamp Flux:6382.13x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.: 192*142mm | Shielding Angle: |

Table--2

UNIT: cd

| C (DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 3430 | 3430 | 3430 | 3430 | 3430 | | | | | | | | | | | | | | | | |
| 5 | 3355 | 3360 | 3369 | 3382 | 3398 | | | | | | | | | | | | | | | | |
| 10 | 3227 | 3243 | 3268 | 3306 | 3345 | | | | | | | | | | | | | | | | |
| 15 | 3010 | 3051 | 3108 | 3187 | 3260 | | | | | | | | | | | | | | | | |
| 20 | 2657 | 2738 | 2849 | 2992 | 3126 | | | | | | | | | | | | | | | | |
| 25 | 2087 | 2234 | 2435 | 2685 | 2916 | | | | | | | | | | | | | | | | |
| 30 | 1269 | 1482 | 1787 | 2195 | 2579 | | | | | | | | | | | | | | | | |
| 35 | 505 | 673 | 957 | 1466 | 2033 | | | | | | | | | | | | | | | | |
| 40 | 188 | 232 | 348 | 678 | 1256 | | | | | | | | | | | | | | | | |
| 45 | 120 | 136 | 156 | 241 | 524 | | | | | | | | | | | | | | | | |
| 50 | 89.3 | 98.7 | 110 | 134 | 197 | | | | | | | | | | | | | | | | |
| 55 | 67.1 | 74.8 | 83.6 | 96.7 | 121 | | | | | | | | | | | | | | | | |
| 60 | 46.8 | 52.4 | 59.0 | 70.0 | 84.0 | | | | | | | | | | | | | | | | |
| 65 | 27.5 | 31.8 | 37.4 | 45.7 | 56.6 | | | | | | | | | | | | | | | | |
| 70 | 17.1 | 17.5 | 19.8 | 25.9 | 35.6 | | | | | | | | | | | | | | | | |
| 75 | 14.6 | 13.4 | 12.4 | 13.3 | 19.2 | | | | | | | | | | | | | | | | |
| 80 | 10.1 | 11.3 | 11.1 | 8.47 | 8.40 | | | | | | | | | | | | | | | | |
| 85 | 3.30 | 4.00 | 8.19 | 8.38 | 4.96 | | | | | | | | | | | | | | | | |
| 90 | 4.47 | 4.26 | 4.29 | 6.03 | 3.90 | | | | | | | | | | | | | | | | |
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|----------------------|---|
| C Range: 0 - 360DEG | γ Range: 0 - 90DEG |
| C Interval: 15.0DEG | γ Interval: 1.0DEG |
| Test Speed: HIGH | Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473 |
| Temperature:25.3°C | Humidity:65.0% |
| Operators:DAMIN | Test Distance:9.401m [K=1.0000] |
| Test Date:2024-01-16 | Remarks: |