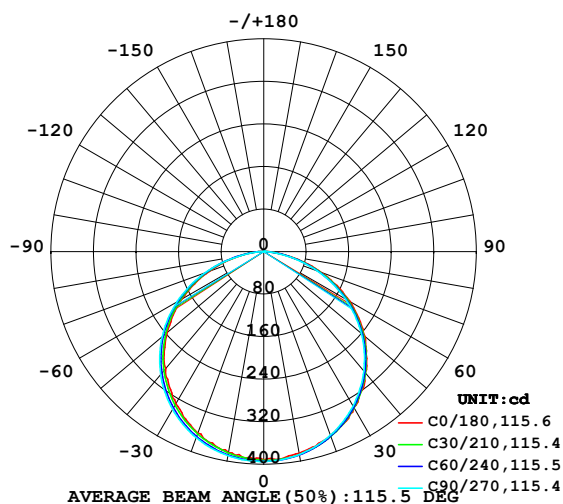


LUMINAIRE PHOTOMETRIC TEST REPORT

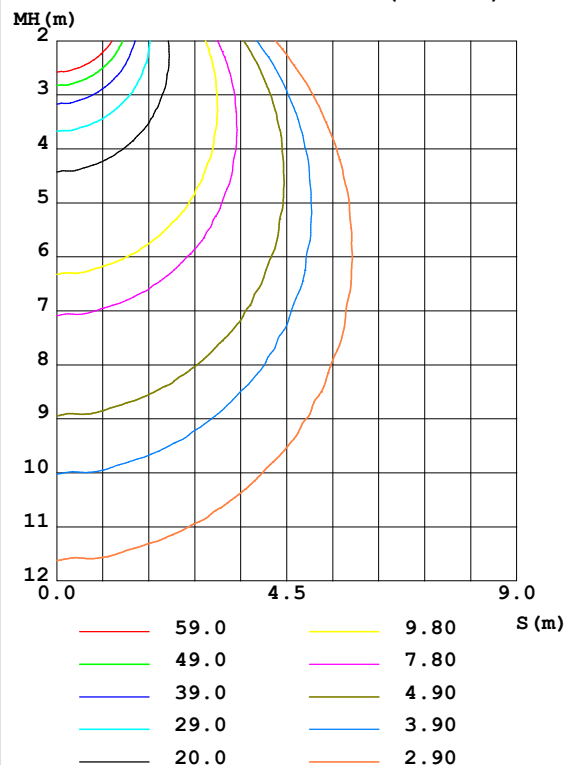
| | | |
|--|-------|-----------------------|
| Test:U:24.000V I:0.6400A P:15.360W PF:1.0000 Freq:0Hz Lamp Flux:1160.13x1 lm | | |
| NAME: LED Strip 2000-6000k | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:2022050501 |
| MFR.: | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 75.53 lm/W |
|-------------------|---------|-----------------------|--------|---------------------|-----------|-----------------|
| MODEL | | I _{max} (cd) | 395.1 | S/MH (C0/180) | 1.26 | |
| NOMINAL POWER (W) | | LOR (%) | 100.0 | S/MH (C90/270) | 1.29 | |
| RATED VOLTAGE (V) | 24 | TOTAL FLUX (lm) | 1160.1 | η UP, DN (C0-180) | 0.2, 49.5 | |
| NOMINAL FLUX (lm) | 1160.13 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.1, 50.2 | |
| LAMPS INSIDE | 1 | η up (%) | 0.3 | CIBSE SHR NOM | 1.25 | |
| TEST VOLTAGE (V) | 24 | η down (%) | 99.7 | CIBSE SHR MAX | 1.35 | |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: SENPU
Test Date: 2022-05-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 70.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

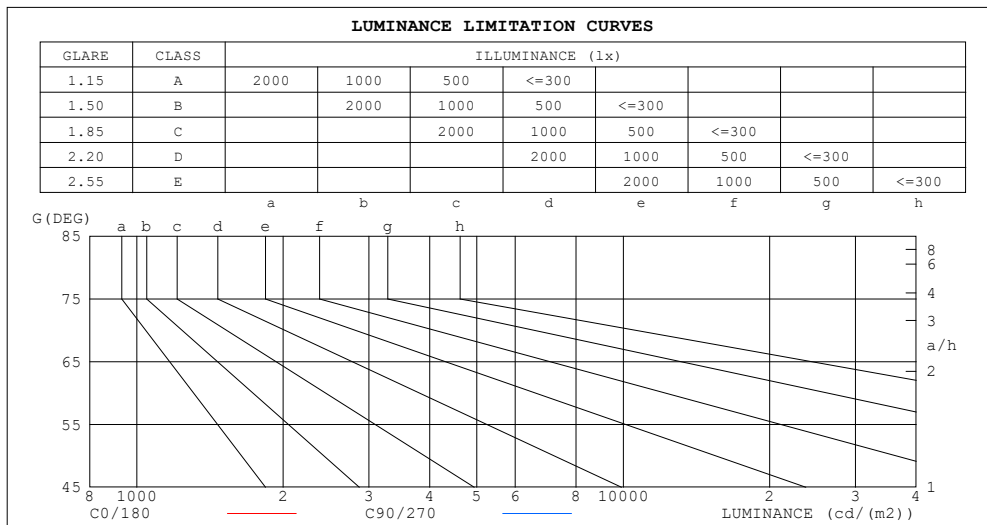
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 10 | 384.9 | 388.9 | 387.2 | 385.9 | 383.8 | 386.9 | 389.6 | 389.4 | 0- 10 | 37.29 | 37.29 | 3.21,3.21 |
| 20 | 368.2 | 370.7 | 367.4 | 365.4 | 363.5 | 367.8 | 372.3 | 372.3 | 10- 20 | 107.2 | 144.5 | 12.5,12.5 |
| 30 | 338.3 | 340.3 | 335.8 | 333.6 | 330.6 | 337.0 | 342.7 | 343.0 | 20- 30 | 163.7 | 308.1 | 26.6,26.6 |
| 40 | 297.3 | 298.5 | 292.9 | 291.3 | 287.3 | 295.3 | 301.6 | 301.8 | 30- 40 | 199.3 | 507.5 | 43.7,43.7 |
| 50 | 248.2 | 245.7 | 239.7 | 239.0 | 237.6 | 243.4 | 249.5 | 249.1 | 40- 50 | 209.3 | 716.8 | 61.8,61.8 |
| 60 | 186.9 | 182.8 | 177.1 | 177.8 | 176.8 | 182.2 | 187.7 | 186.4 | 50- 60 | 191.2 | 908.0 | 78.3,78.3 |
| 70 | 116.4 | 112.5 | 108.0 | 110.1 | 109.2 | 113.9 | 117.7 | 115.5 | 60- 70 | 146.3 | 1054 | 90.9,90.9 |
| 80 | 45.77 | 42.77 | 37.53 | 43.12 | 43.09 | 45.58 | 43.33 | 44.34 | 70- 80 | 81.81 | 1136 | 97.9,97.9 |
| 90 | 3.679 | 2.857 | 0.3628 | 3.443 | 3.245 | 2.885 | 0.2320 | 2.447 | 80- 90 | 20.29 | 1156 | 99.7,99.7 |
| 100 | 0.7731 | 0.4133 | 0.3480 | 0.4277 | 0.5132 | 0.3480 | 0.2757 | 0.2755 | 90-100 | 0.9711 | 1157 | 99.8,99.8 |
| 110 | 0.7955 | 0.4785 | 0.4204 | 0.4930 | 0.4494 | 0.3480 | 0.3625 | 0.3260 | 100-110 | 0.4379 | 1158 | 99.8,99.8 |
| 120 | 0.5727 | 0.5582 | 0.4784 | 0.5509 | 0.5511 | 0.4204 | 0.4204 | 0.3552 | 110-120 | 0.4561 | 1158 | 99.8,99.8 |
| 130 | 0.5944 | 0.6235 | 0.5582 | 0.6235 | 0.6527 | 0.4494 | 0.4785 | 0.4422 | 120-130 | 0.4625 | 1159 | 99.9,99.9 |
| 140 | 0.6814 | 0.6742 | 0.5799 | 0.6670 | 0.7323 | 0.5654 | 0.7343 | 0.5437 | 130-140 | 0.4608 | 1159 | 99.9,99.9 |
| 150 | 0.7467 | 0.6742 | 0.6669 | 0.6742 | 0.7756 | 0.5654 | 0.5873 | 0.5581 | 140-150 | 0.3954 | 1160 | 100,100 |
| 160 | 0.7467 | 0.6452 | 0.6669 | 0.6742 | 0.7756 | 0.5871 | 0.6018 | 0.5654 | 150-160 | 0.2996 | 1160 | 100,100 |
| 170 | 0.5873 | 0.6089 | 0.6162 | 0.5799 | 0.7318 | 0.6306 | 0.6598 | 0.6162 | 160-170 | 0.1819 | 1160 | 100,100 |
| 180 | 0.6742 | 0.6452 | 0.5944 | 0.6017 | 0.6887 | 0.6524 | 0.6017 | 0.6162 | 170-180 | 0.0599 | 1160 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:SENPU
 Test Date:2022-05-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:70.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|-------|-----------------------|
| Test:U:24.000V I:0.6400A P:15.360W PF:1.0000 Freq:0Hz Lamp Flux:1160.13x1 lm | | |
| NAME: LED Strip 2000-6000k | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:2022050501 |
| MFR.: | SUR.: | Shielding Angle: |



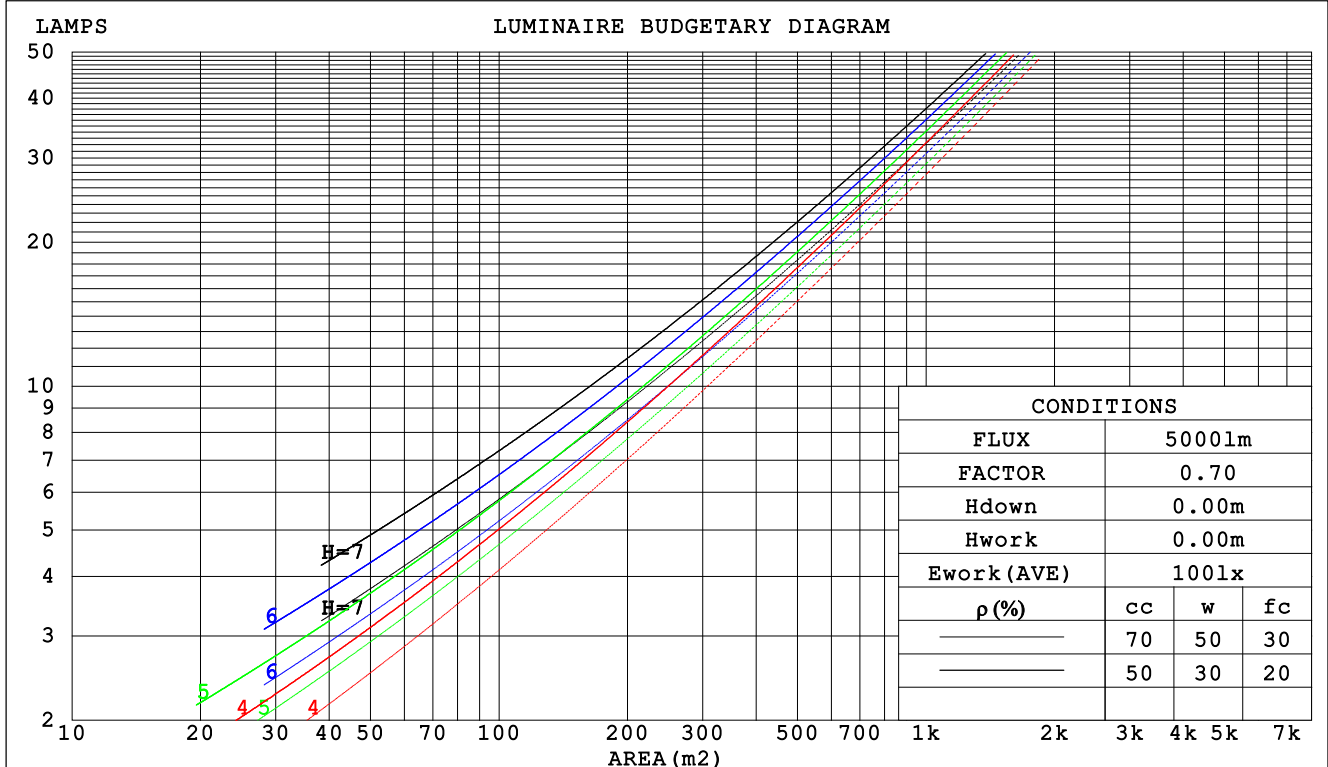
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: SENPU
Test Date: 2022-05-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 70.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|-------|-----------------------|
| Test:U:24.000V I:0.6400A P:15.360W PF:1.0000 Freq:0Hz Lamp Flux:1160.13x1 lm | | |
| NAME: LED Strip 2000-6000k | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:2022050501 |
| MFR.: | SUR.: | 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 | 1.19 | 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 | .00 |
| 1.0 | 1.04 | .99 | .96 | 1.01 | .98 | .94 | .97 | .94 | .91 | .93 | .91 | .88 | .90 | .87 | .85 | .83 |
| 2.0 | .90 | .83 | .78 | .88 | .82 | .77 | .85 | .79 | .75 | .81 | .77 | .73 | .78 | .75 | .71 | .69 |
| 3.0 | .79 | .71 | .64 | .77 | .70 | .64 | .74 | .68 | .62 | .72 | .66 | .61 | .69 | .64 | .60 | .58 |
| 4.0 | .70 | .61 | .54 | .69 | .60 | .54 | .66 | .59 | .53 | .64 | .57 | .52 | .61 | .56 | .52 | .49 |
| 5.0 | .62 | .53 | .47 | .61 | .53 | .46 | .59 | .52 | .46 | .57 | .50 | .45 | .55 | .49 | .45 | .43 |
| 6.0 | .56 | .47 | .41 | .55 | .47 | .40 | .53 | .46 | .40 | .52 | .45 | .40 | .50 | .44 | .39 | .37 |
| 7.0 | .51 | .42 | .36 | .50 | .42 | .36 | .48 | .41 | .35 | .47 | .40 | .35 | .45 | .39 | .35 | .33 |
| 8.0 | .46 | .38 | .32 | .46 | .37 | .32 | .44 | .37 | .31 | .43 | .36 | .31 | .42 | .36 | .31 | .29 |
| 9.0 | .42 | .34 | .29 | .42 | .34 | .28 | .41 | .33 | .28 | .40 | .33 | .28 | .39 | .32 | .28 | .26 |
| 10.0 | .39 | .31 | .26 | .39 | .31 | .26 | .38 | .31 | .26 | .37 | .30 | .26 | .36 | .30 | .25 | .24 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:SENPU
Test Date:2022-05-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:70.0%
Test Distance:8.000m [K=1.0000]
Remarks:

WEC AND CCEC

| | | | | | |
|--|--|--|-------|--|-----------------------|
| Test:U:24.000V I:0.6400A P:15.360W PF:1.0000 Freq:0Hz Lamp Flux:1160.13x1 lm | | | | | |
| NAME: LED Strip 2000-6000k | | | TYPE: | | WEIGHT: |
| SPEC.: | | | DIM.: | | SERIAL No.:2022050501 |
| MFR.: | | | SUR.: | | 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 | .310 | .176 | .056 | .303 | .173 | .055 | .290 | .166 | .053 | .277 | .160 | .051 | .266 | .154 | .050 | | |
| 2.0 | .293 | .160 | .049 | .286 | .158 | .049 | .275 | .153 | .047 | .264 | .148 | .046 | .253 | .143 | .045 | | |
| 3.0 | .271 | .144 | .043 | .266 | .142 | .043 | .255 | .138 | .042 | .245 | .134 | .041 | .236 | .131 | .040 | | |
| 4.0 | .250 | .130 | .038 | .245 | .128 | .038 | .236 | .125 | .037 | .227 | .122 | .037 | .219 | .119 | .036 | | |
| 5.0 | .231 | .118 | .034 | .227 | .117 | .034 | .219 | .114 | .034 | .211 | .111 | .033 | .204 | .109 | .033 | | |
| 6.0 | .215 | .108 | .031 | .211 | .106 | .031 | .203 | .104 | .030 | .196 | .102 | .030 | .190 | .100 | .030 | | |
| 7.0 | .200 | .099 | .028 | .196 | .098 | .028 | .190 | .096 | .028 | .183 | .094 | .027 | .178 | .092 | .027 | | |
| 8.0 | .186 | .091 | .026 | .183 | .090 | .026 | .177 | .089 | .025 | .172 | .087 | .025 | .167 | .086 | .025 | | |
| 9.0 | .175 | .085 | .024 | .172 | .084 | .024 | .167 | .082 | .023 | .162 | .081 | .023 | .157 | .080 | .023 | | |
| 10.0 | .164 | .079 | .022 | .162 | .078 | .022 | .157 | .077 | .022 | .152 | .076 | .022 | .148 | .074 | .021 | | |

| 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 | .193 | .193 | .193 | .165 | .165 | .165 | .113 | .113 | .113 | .065 | .065 | .065 | .021 | .021 | .021 | |
| 1.0 | .183 | .159 | .137 | .156 | .136 | .118 | .107 | .094 | .081 | .062 | .054 | .047 | .020 | .017 | .015 | |
| 2.0 | .175 | .134 | .100 | .150 | .116 | .087 | .103 | .080 | .061 | .059 | .047 | .035 | .019 | .015 | .012 | |
| 3.0 | .167 | .117 | .077 | .143 | .101 | .066 | .098 | .070 | .047 | .057 | .041 | .027 | .018 | .013 | .009 | |
| 4.0 | .160 | .104 | .061 | .137 | .089 | .053 | .094 | .062 | .037 | .054 | .037 | .022 | .018 | .012 | .007 | |
| 5.0 | .152 | .093 | .050 | .131 | .081 | .043 | .090 | .056 | .030 | .052 | .033 | .018 | .017 | .011 | .006 | |
| 6.0 | .145 | .085 | .042 | .125 | .073 | .036 | .086 | .051 | .026 | .050 | .030 | .015 | .016 | .010 | .005 | |
| 7.0 | .138 | .078 | .036 | .119 | .068 | .031 | .082 | .047 | .022 | .048 | .028 | .013 | .015 | .009 | .004 | |
| 8.0 | .132 | .072 | .031 | .113 | .063 | .027 | .079 | .044 | .019 | .046 | .026 | .011 | .015 | .008 | .004 | |
| 9.0 | .126 | .067 | .028 | .108 | .058 | .024 | .075 | .041 | .017 | .044 | .024 | .010 | .014 | .008 | .003 | |
| 10.0 | .120 | .063 | .025 | .103 | .055 | .022 | .072 | .038 | .015 | .042 | .023 | .009 | .014 | .007 | .003 | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 28DEG
 Operators: SENPU
 Test Date: 2022-05-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 70.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|-------|----------------|------|-----------------------|------|------|
| Test:U:24.000V I:0.6400A P:15.360W PF:1.0000 Freq:0Hz Lamp Flux:1160.13x1 lm | | | | | | | | | | |
| NAME: LED Strip 2000-6000k | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.:2022050501 | | |
| 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 | 33.6 | 35.1 | 33.9 | 35.3 | 35.5 | 33.4 | 34.9 | 33.7 | 35.2 | 35.4 |
| 3H | 35.1 | 36.5 | 35.4 | 36.8 | 37.0 | 34.9 | 36.3 | 35.2 | 36.5 | 36.8 |
| 4H | 35.7 | 37.1 | 36.0 | 37.3 | 37.6 | 35.4 | 36.8 | 35.8 | 37.0 | 37.3 |
| 6H | 36.1 | 37.4 | 36.5 | 37.7 | 37.9 | 35.8 | 37.0 | 36.1 | 37.3 | 37.6 |
| 8H | 36.2 | 37.4 | 36.6 | 37.7 | 38.0 | 35.8 | 37.0 | 36.2 | 37.3 | 37.6 |
| 12H | 36.3 | 37.4 | 36.6 | 37.7 | 38.1 | 35.8 | 37.0 | 36.2 | 37.3 | 37.6 |
| 4H 2H | 34.2 | 35.5 | 34.5 | 35.8 | 36.0 | 34.0 | 35.4 | 34.4 | 35.6 | 35.9 |
| 3H | 35.9 | 37.1 | 36.3 | 37.4 | 37.7 | 35.7 | 36.9 | 36.1 | 37.2 | 37.5 |
| 4H | 36.6 | 37.7 | 37.0 | 38.0 | 38.3 | 36.4 | 37.4 | 36.7 | 37.8 | 38.1 |
| 6H | 37.1 | 38.1 | 37.5 | 38.4 | 38.8 | 36.8 | 37.7 | 37.2 | 38.1 | 38.5 |
| 8H | 37.3 | 38.1 | 37.7 | 38.5 | 38.9 | 36.9 | 37.7 | 37.3 | 38.1 | 38.5 |
| 12H | 37.3 | 38.2 | 37.8 | 38.6 | 39.0 | 36.9 | 37.7 | 37.3 | 38.1 | 38.5 |
| 8H 4H | 36.8 | 37.7 | 37.2 | 38.1 | 38.5 | 36.6 | 37.5 | 37.0 | 37.9 | 38.3 |
| 6H | 37.5 | 38.2 | 37.9 | 38.6 | 39.0 | 37.1 | 37.9 | 37.6 | 38.3 | 38.7 |
| 8H | 37.7 | 38.3 | 38.1 | 38.8 | 39.2 | 37.3 | 37.9 | 37.7 | 38.4 | 38.8 |
| 12H | 37.8 | 38.4 | 38.3 | 38.8 | 39.3 | 37.3 | 37.9 | 37.8 | 38.4 | 38.8 |
| 12H 4H | 36.8 | 37.6 | 37.3 | 38.0 | 38.4 | 36.6 | 37.4 | 37.0 | 37.8 | 38.2 |
| 6H | 37.5 | 38.1 | 37.9 | 38.6 | 39.0 | 37.2 | 37.8 | 37.7 | 38.3 | 38.7 |
| 8H | 37.7 | 38.3 | 38.2 | 38.7 | 39.2 | 37.4 | 37.9 | 37.8 | 38.4 | 38.9 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.4 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |

CIE Pub.117, 1160 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.5$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:SENPU
 Test Date:2022-05-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:70.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|-------|-----------------------|
| Test:U:24.000V I:0.6400A P:15.360W PF:1.0000 Freq:0Hz Lamp Flux:1160.13x1 lm | | |
| NAME: LED Strip 2000-6000k | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:2022050501 |
| MFR.: | SUR.: | Shielding Angle: |

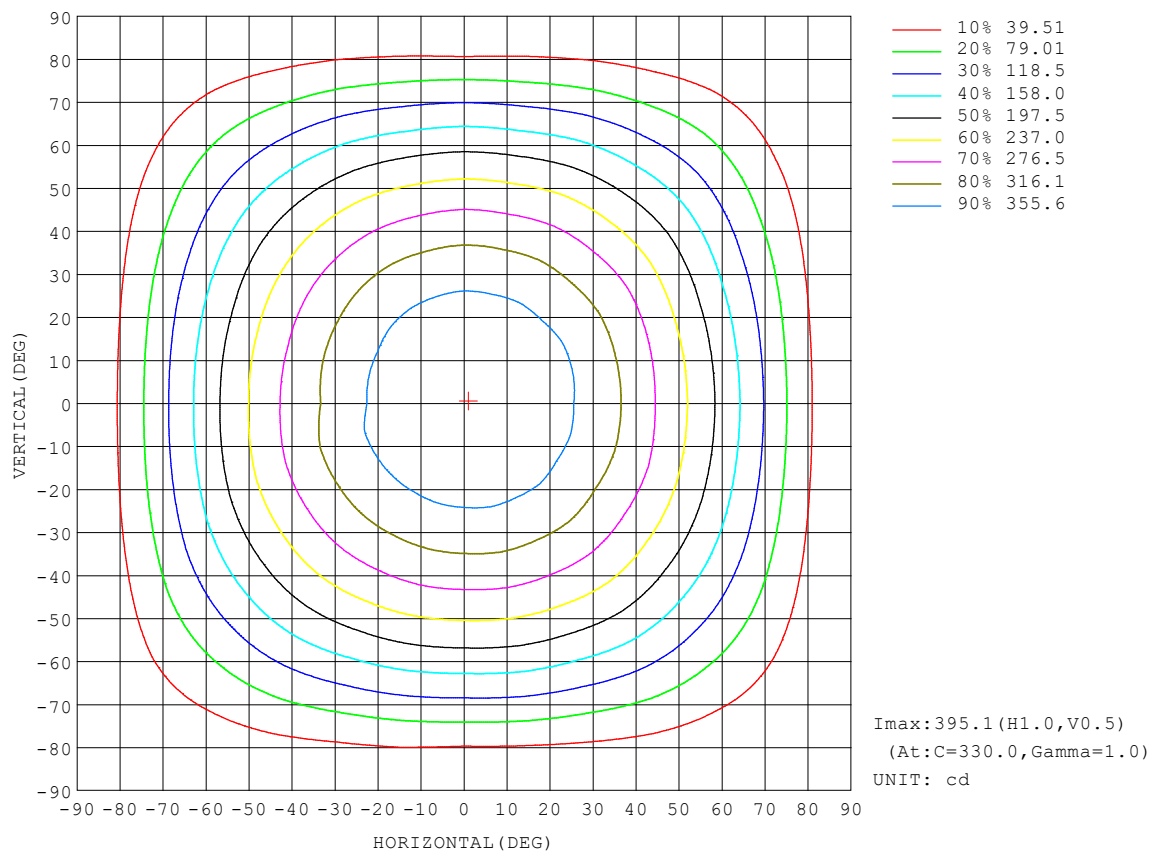
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 57 | 45 | 38 | 56 | 45 | 38 | 55 | 45 | 38 | 31 |
| 0.80 | 67 | 55 | 48 | 66 | 55 | 48 | 64 | 54 | 47 | 40 |
| 1.00 | 76 | 64 | 57 | 74 | 64 | 57 | 72 | 65 | 56 | 49 |
| 1.25 | 83 | 72 | 65 | 81 | 71 | 64 | 78 | 70 | 64 | 56 |
| 1.50 | 88 | 78 | 71 | 86 | 77 | 70 | 83 | 75 | 69 | 61 |
| 2.00 | 95 | 86 | 80 | 93 | 85 | 79 | 89 | 83 | 77 | 69 |
| 2.50 | 99 | 91 | 85 | 97 | 89 | 84 | 93 | 87 | 82 | 73 |
| 3.00 | 102 | 95 | 90 | 100 | 94 | 88 | 96 | 91 | 86 | 78 |
| 4.00 | 106 | 100 | 96 | 104 | 99 | 94 | 99 | 95 | 92 | 83 |
| 5.00 | 109 | 104 | 100 | 106 | 102 | 98 | 101 | 98 | 95 | 86 |
| 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: 28DEG
 Operators: SENPU
 Test Date: 2022-05-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 70.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|-------|-----------------------|
| Test:U:24.000V I:0.6400A P:15.360W PF:1.0000 Freq:0Hz Lamp Flux:1160.13x1 lm | | |
| NAME: LED Strip 2000-6000k | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:2022050501 |
| MFR.: | SUR.: | Shielding Angle: |

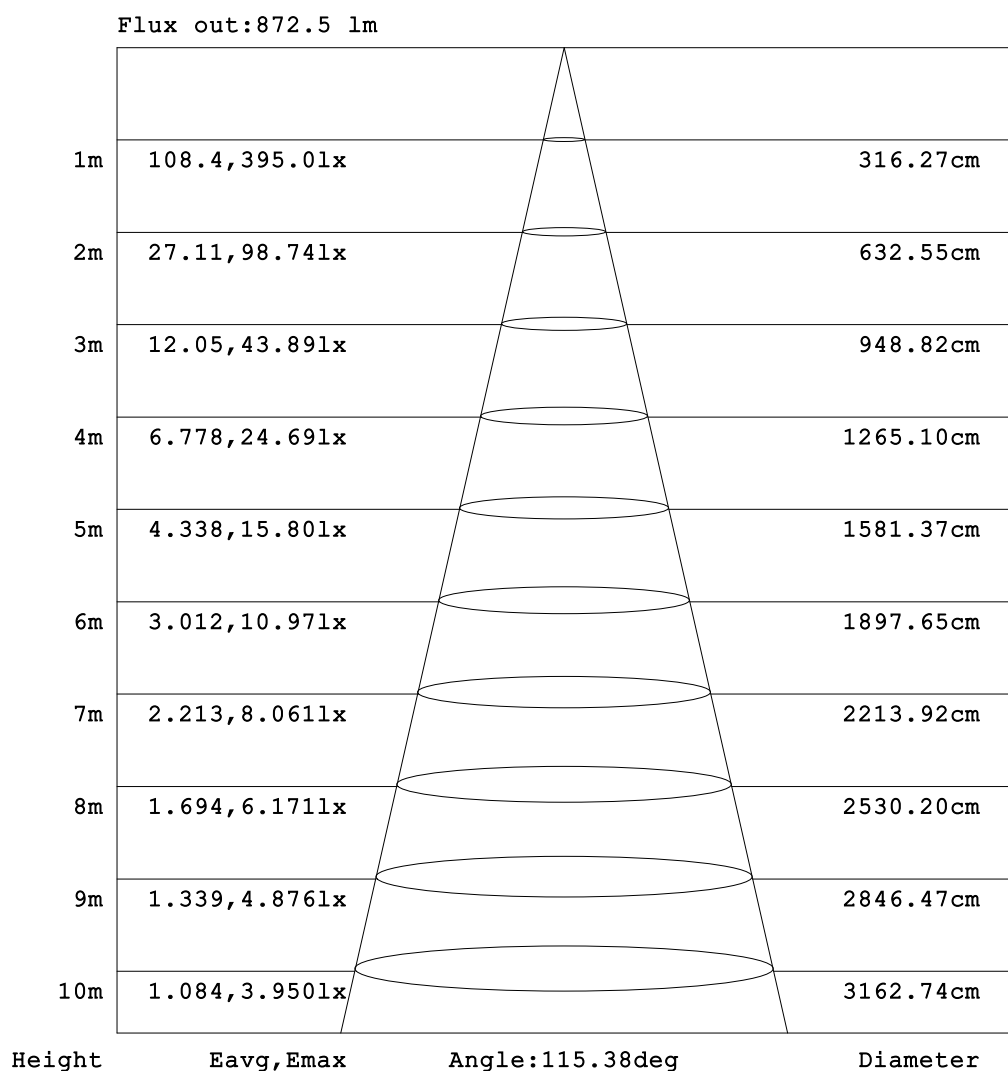


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:SENPU
Test Date:2022-05-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:70.0%
Test Distance:8.000m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|-------|-----------------------|
| Test:U:24.000V I:0.6400A P:15.360W PF:1.0000 Freq:0Hz Lamp Flux:1160.13x1 lm | | |
| NAME: LED Strip 2000-6000k | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:2022050501 |
| MFR.: | SUR.: | Shielding Angle: |



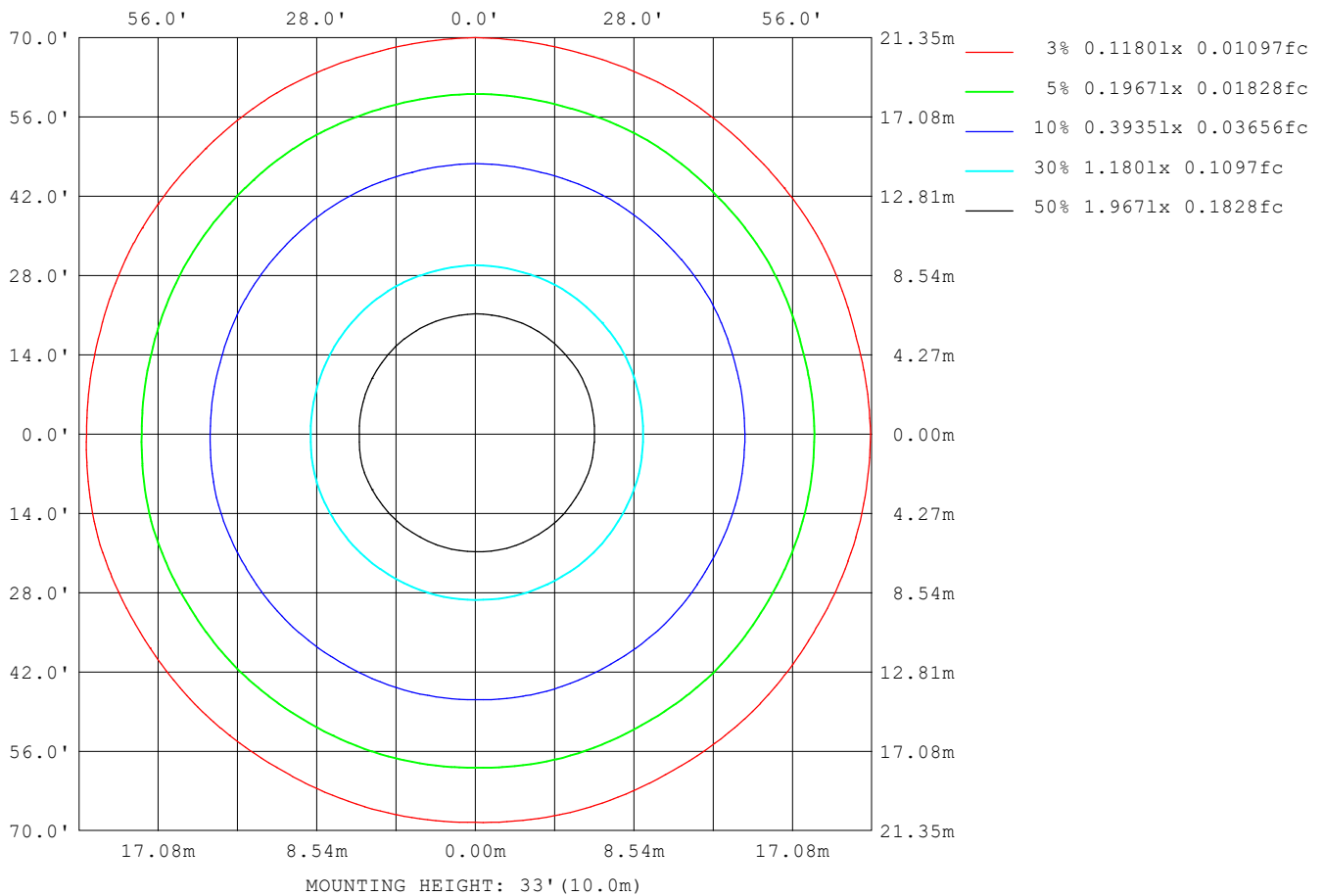
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:SENPU
 Test Date:2022-05-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:70.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|--|-------|-----------------------|
| Test:U:24.000V I:0.6400A P:15.360W PF:1.0000 Freq:0Hz Lamp Flux:1160.13x1 lm | | |
| NAME: LED Strip 2000-6000k | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:2022050501 |
| MFR.: | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 28DEG
 Operators: SENPU
 Test Date: 2022-05-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 70.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|--|-------|-----------------------|
| Test:U:24.000V I:0.6400A P:15.360W PF:1.0000 Freq:0Hz Lamp Flux:1160.13x1 lm | | |
| NAME: LED Strip 2000-6000k | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:2022050501 |
| MFR.: | SUR.: | Shielding Angle: |

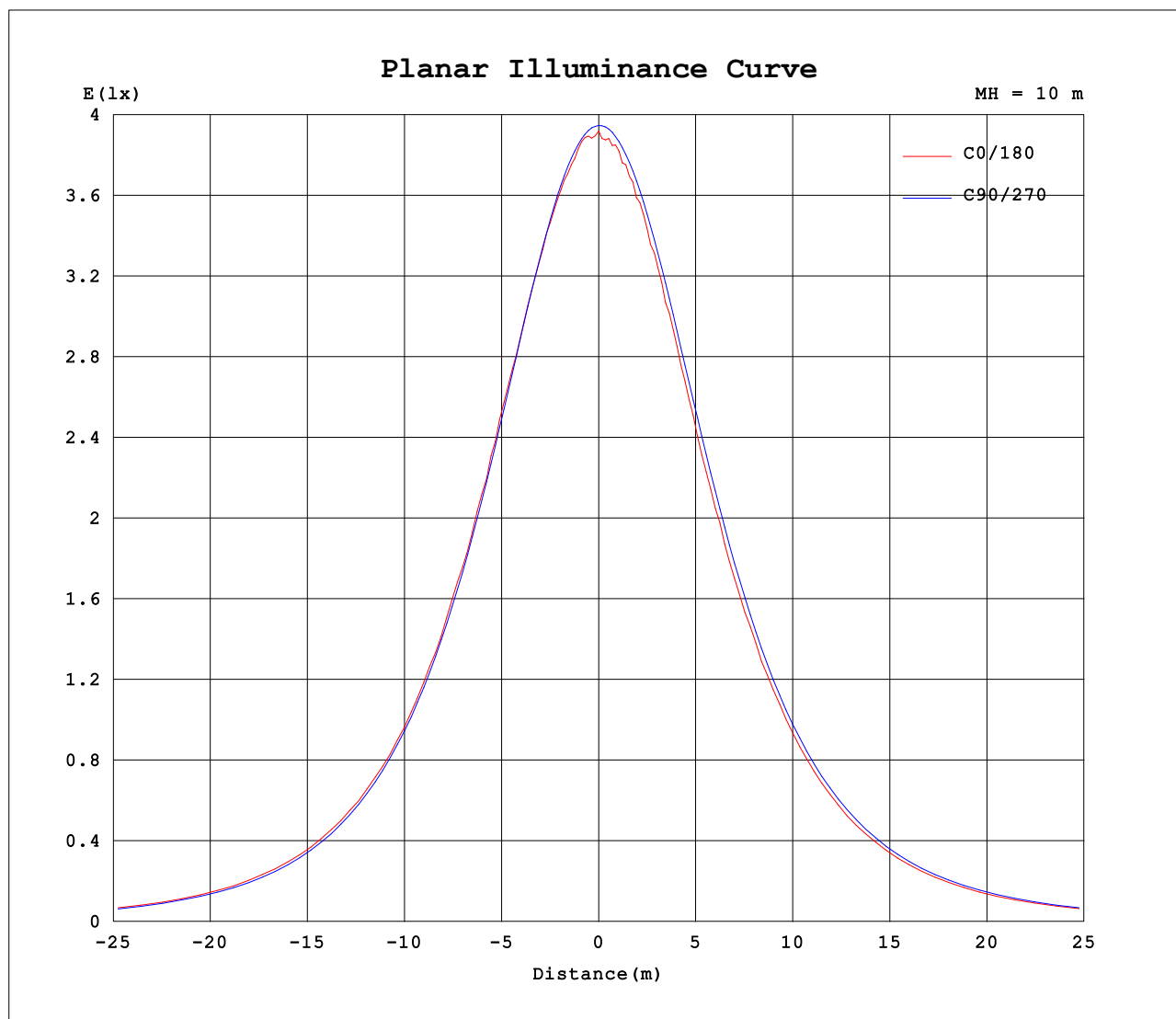
| AvgL | cd/m2 |
|------------------|--------|
| L_0~180 (65) av | 350504 |
| L_0~180 (75) av | 299674 |
| L_0~180 (85) av | 201530 |
| L_90~270 (65) av | 351044 |
| L_90~270 (75) av | 296572 |
| L_90~270 (85) av | 136568 |
| L_45 (65) av | 350692 |
| L_45 (75) av | 299337 |
| L_45 (85) av | 195683 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:SENPU
Test Date:2022-05-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:70.0%
Test Distance:8.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: SENPU
Test Date: 2022-05-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 70.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------|-----------------------|
| Test:U:24.000V I:0.6400A P:15.360W PF:1.0000 Freq:0Hz Lamp Flux:1160.13x1 lm | | |
| NAME: LED Strip 2000-6000k | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:2022050501 |
| MFR.: | SUR.: | 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 | 392 | 392 | 392 | 394 | 394 | 395 | 395 | 394 | 394 | 394 | 395 | 395 | 392 | 392 | 392 | 394 | 394 | 395 | 395 |
| 5 | 391 | 392 | 392 | 393 | 393 | 393 | 393 | 392 | 392 | 391 | 392 | 392 | 390 | 390 | 390 | 392 | 393 | 393 | 394 |
| 10 | 385 | 388 | 387 | 389 | 388 | 388 | 387 | 387 | 386 | 386 | 387 | 387 | 384 | 384 | 385 | 387 | 388 | 389 | 390 |
| 15 | 379 | 381 | 380 | 381 | 380 | 380 | 379 | 378 | 377 | 377 | 378 | 378 | 372 | 375 | 376 | 379 | 380 | 381 | 382 |
| 20 | 368 | 371 | 370 | 371 | 369 | 369 | 367 | 367 | 366 | 365 | 366 | 367 | 364 | 364 | 365 | 368 | 370 | 371 | 372 |
| 25 | 357 | 358 | 356 | 357 | 355 | 355 | 353 | 352 | 351 | 351 | 351 | 352 | 348 | 349 | 350 | 354 | 356 | 357 | 359 |
| 30 | 338 | 342 | 340 | 340 | 338 | 338 | 336 | 335 | 334 | 334 | 334 | 335 | 331 | 332 | 334 | 337 | 340 | 341 | 343 |
| 35 | 320 | 322 | 320 | 321 | 318 | 318 | 316 | 315 | 313 | 314 | 314 | 315 | 310 | 312 | 314 | 317 | 320 | 321 | 324 |
| 40 | 297 | 300 | 298 | 299 | 296 | 296 | 293 | 292 | 291 | 291 | 291 | 293 | 287 | 290 | 292 | 295 | 298 | 299 | 302 |
| 45 | 273 | 276 | 273 | 273 | 271 | 270 | 268 | 267 | 265 | 266 | 266 | 268 | 265 | 265 | 268 | 270 | 273 | 274 | 277 |
| 50 | 248 | 248 | 245 | 246 | 243 | 242 | 240 | 239 | 238 | 239 | 239 | 241 | 238 | 238 | 240 | 243 | 246 | 247 | 250 |
| 55 | 219 | 218 | 215 | 215 | 212 | 212 | 209 | 209 | 208 | 209 | 209 | 211 | 208 | 208 | 212 | 214 | 217 | 217 | 220 |
| 60 | 187 | 186 | 183 | 183 | 180 | 180 | 177 | 177 | 176 | 178 | 178 | 180 | 177 | 177 | 180 | 182 | 185 | 185 | 188 |
| 65 | 152 | 151 | 148 | 148 | 145 | 145 | 143 | 144 | 143 | 145 | 145 | 147 | 144 | 144 | 147 | 148 | 152 | 151 | 154 |
| 70 | 116 | 115 | 112 | 113 | 110 | 110 | 108 | 109 | 108 | 110 | 110 | 113 | 109 | 110 | 113 | 114 | 116 | 116 | 118 |
| 75 | 79.8 | 79.2 | 76.1 | 76.5 | 73.9 | 74.5 | 72.7 | 74.0 | 73.3 | 75.6 | 75.7 | 78.6 | 75.4 | 75.8 | 78.4 | 78.9 | 81.0 | 80.2 | 80.8 |
| 80 | 45.8 | 45.1 | 42.5 | 42.8 | 40.6 | 38.8 | 37.5 | 41.3 | 40.8 | 43.1 | 43.3 | 46.1 | 43.1 | 43.5 | 45.6 | 45.6 | 47.0 | 45.8 | 43.3 |
| 85 | 17.6 | 17.8 | 16.0 | 16.1 | 14.6 | 11.9 | 10.0 | 15.2 | 15.2 | 17.2 | 17.6 | 19.4 | 17.5 | 17.3 | 18.5 | 18.2 | 18.9 | 17.8 | 13.8 |
| 90 | 3.68 | 3.59 | 3.06 | 2.86 | 1.84 | 1.18 | 0.36 | 1.34 | 2.69 | 3.44 | 3.65 | 4.14 | 3.24 | 3.10 | 3.34 | 2.89 | 2.84 | 1.36 | 0.23 |
| 95 | 1.09 | 0.95 | 0.97 | 0.88 | 0.53 | 0.39 | 0.35 | 0.38 | 0.87 | 1.09 | 1.21 | 1.14 | 0.77 | 0.64 | 0.62 | 0.60 | 0.37 | 0.28 | 0.25 |
| 100 | 0.77 | 0.44 | 0.44 | 0.41 | 0.41 | 0.41 | 0.35 | 0.42 | 0.41 | 0.43 | 0.68 | 0.79 | 0.51 | 0.33 | 0.35 | 0.35 | 0.30 | 0.28 | 0.28 |
| 105 | 1.39 | 0.46 | 0.41 | 0.45 | 0.41 | 0.45 | 0.39 | 0.45 | 0.43 | 0.46 | 0.45 | 0.44 | 0.50 | 0.33 | 0.36 | 0.33 | 0.34 | 0.33 | 0.33 |
| 110 | 0.80 | 0.49 | 0.45 | 0.48 | 0.43 | 0.49 | 0.42 | 0.49 | 0.44 | 0.49 | 0.44 | 0.46 | 0.45 | 0.33 | 0.38 | 0.35 | 0.38 | 0.34 | 0.36 |
| 115 | 0.92 | 0.53 | 0.46 | 0.52 | 0.45 | 0.52 | 0.44 | 0.52 | 0.47 | 0.52 | 0.44 | 0.51 | 0.58 | 0.37 | 0.41 | 0.35 | 0.41 | 0.34 | 0.41 |
| 120 | 0.57 | 0.57 | 0.47 | 0.56 | 0.48 | 0.54 | 0.48 | 0.56 | 0.51 | 0.55 | 0.49 | 0.54 | 0.55 | 0.44 | 0.46 | 0.42 | 0.46 | 0.41 | 0.42 |
| 125 | 0.59 | 0.59 | 0.55 | 0.59 | 0.53 | 0.59 | 0.54 | 0.58 | 0.55 | 0.59 | 0.55 | 0.59 | 0.60 | 0.45 | 0.49 | 0.44 | 0.48 | 0.43 | 0.46 |
| 130 | 0.59 | 0.63 | 0.55 | 0.62 | 0.57 | 0.60 | 0.56 | 0.62 | 0.56 | 0.62 | 0.56 | 0.62 | 0.65 | 0.48 | 0.51 | 0.45 | 0.51 | 0.44 | 0.48 |
| 135 | 0.69 | 0.65 | 0.57 | 0.64 | 0.57 | 0.62 | 0.56 | 0.63 | 0.57 | 0.65 | 0.58 | 0.65 | 0.75 | 0.77 | 0.69 | 0.74 | 0.62 | 1.08 | 0.51 |
| 140 | 0.68 | 0.69 | 0.61 | 0.67 | 0.58 | 0.64 | 0.58 | 0.65 | 0.59 | 0.67 | 0.64 | 0.67 | 0.73 | 0.60 | 0.59 | 0.57 | 0.55 | 0.56 | 0.73 |
| 145 | 0.75 | 0.69 | 0.68 | 0.67 | 0.67 | 0.65 | 0.62 | 0.66 | 0.62 | 0.67 | 0.65 | 0.68 | 0.76 | 0.60 | 0.62 | 0.57 | 0.57 | 0.56 | 0.57 |
| 150 | 0.75 | 0.69 | 0.68 | 0.67 | 0.67 | 0.67 | 0.67 | 0.66 | 0.62 | 0.67 | 0.66 | 0.68 | 0.78 | 0.60 | 0.62 | 0.57 | 0.59 | 0.57 | 0.59 |
| 155 | 0.76 | 0.69 | 0.69 | 0.67 | 0.67 | 0.67 | 0.68 | 0.67 | 0.67 | 0.67 | 0.67 | 0.68 | 0.78 | 0.63 | 0.65 | 0.58 | 0.62 | 0.57 | 0.60 |
| 160 | 0.75 | 0.69 | 0.69 | 0.65 | 0.67 | 0.66 | 0.67 | 0.67 | 0.67 | 0.67 | 0.68 | 0.67 | 0.78 | 0.68 | 0.66 | 0.59 | 0.63 | 0.57 | 0.60 |
| 165 | 0.64 | 0.65 | 0.68 | 0.63 | 0.67 | 0.63 | 0.67 | 0.62 | 0.67 | 0.64 | 0.67 | 0.59 | 0.76 | 0.69 | 0.68 | 0.61 | 0.65 | 0.59 | 0.65 |
| 170 | 0.59 | 0.65 | 0.63 | 0.61 | 0.62 | 0.59 | 0.62 | 0.58 | 0.62 | 0.58 | 0.62 | 0.57 | 0.73 | 0.69 | 0.70 | 0.63 | 0.67 | 0.62 | 0.66 |
| 175 | 0.58 | 0.65 | 0.63 | 0.61 | 0.61 | 0.59 | 0.61 | 0.58 | 0.61 | 0.58 | 0.62 | 0.57 | 0.70 | 0.69 | 0.68 | 0.69 | 0.67 | 0.63 | 0.67 |
| 180 | 0.67 | 0.67 | 0.66 | 0.65 | 0.59 | 0.59 | 0.59 | 0.59 | 0.60 | 0.60 | 0.59 | 0.59 | 0.69 | 0.67 | 0.65 | 0.65 | 0.63 | 0.64 | 0.60 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:28DEG
Operators:SENPU
Test Date:2022-05-05

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:70.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------|-----------------------|
| Test:U:24.000V I:0.6400A P:15.360W PF:1.0000 Freq:0Hz Lamp Flux:1160.13x1 lm | | |
| NAME: LED Strip 2000-6000k | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:2022050501 |
| MFR.: | SUR.: | Shielding Angle: |

Table--2

UNIT: cd

| γ (DEG) | C (DEG) | | | | | | | | | | | | | | | | | | |
|---------|---------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
| 0 | 394 | 394 | 394 | 395 | 395 | | | | | | | | | | | | | | |
| 5 | 394 | 394 | 393 | 394 | 394 | | | | | | | | | | | | | | |
| 10 | 390 | 390 | 389 | 391 | 390 | | | | | | | | | | | | | | |
| 15 | 382 | 383 | 382 | 384 | 383 | | | | | | | | | | | | | | |
| 20 | 372 | 373 | 372 | 374 | 373 | | | | | | | | | | | | | | |
| 25 | 359 | 360 | 359 | 361 | 359 | | | | | | | | | | | | | | |
| 30 | 343 | 344 | 343 | 344 | 343 | | | | | | | | | | | | | | |
| 35 | 323 | 325 | 324 | 325 | 323 | | | | | | | | | | | | | | |
| 40 | 301 | 303 | 302 | 303 | 301 | | | | | | | | | | | | | | |
| 45 | 276 | 278 | 277 | 278 | 276 | | | | | | | | | | | | | | |
| 50 | 249 | 251 | 249 | 251 | 248 | | | | | | | | | | | | | | |
| 55 | 219 | 221 | 219 | 220 | 217 | | | | | | | | | | | | | | |
| 60 | 186 | 188 | 186 | 187 | 184 | | | | | | | | | | | | | | |
| 65 | 152 | 154 | 152 | 153 | 149 | | | | | | | | | | | | | | |
| 70 | 116 | 118 | 115 | 116 | 113 | | | | | | | | | | | | | | |
| 75 | 80.0 | 81.0 | 78.9 | 79.5 | 76.6 | | | | | | | | | | | | | | |
| 80 | 45.6 | 46.2 | 44.3 | 44.7 | 42.5 | | | | | | | | | | | | | | |
| 85 | 17.2 | 17.8 | 16.7 | 17.0 | 15.7 | | | | | | | | | | | | | | |
| 90 | 1.28 | 2.37 | 2.45 | 2.92 | 2.95 | | | | | | | | | | | | | | |
| 95 | 0.27 | 0.26 | 0.44 | 0.56 | 0.66 | | | | | | | | | | | | | | |
| 100 | 0.27 | 0.29 | 0.28 | 0.30 | 0.28 | | | | | | | | | | | | | | |
| 105 | 0.27 | 0.35 | 0.28 | 0.34 | 0.33 | | | | | | | | | | | | | | |
| 110 | 0.34 | 0.38 | 0.33 | 0.38 | 0.35 | | | | | | | | | | | | | | |
| 115 | 0.34 | 0.40 | 0.33 | 0.41 | 0.34 | | | | | | | | | | | | | | |
| 120 | 0.37 | 0.44 | 0.36 | 0.44 | 0.37 | | | | | | | | | | | | | | |
| 125 | 0.42 | 0.46 | 0.44 | 0.47 | 0.42 | | | | | | | | | | | | | | |
| 130 | 0.44 | 0.50 | 0.44 | 0.51 | 0.46 | | | | | | | | | | | | | | |
| 135 | 0.60 | 0.55 | 0.50 | 0.57 | 0.50 | | | | | | | | | | | | | | |
| 140 | 0.53 | 0.54 | 0.54 | 0.57 | 0.59 | | | | | | | | | | | | | | |
| 145 | 0.56 | 0.55 | 0.55 | 0.59 | 0.57 | | | | | | | | | | | | | | |
| 150 | 0.56 | 0.57 | 0.56 | 0.61 | 0.57 | | | | | | | | | | | | | | |
| 155 | 0.57 | 0.59 | 0.57 | 0.63 | 0.60 | | | | | | | | | | | | | | |
| 160 | 0.58 | 0.61 | 0.57 | 0.65 | 0.62 | | | | | | | | | | | | | | |
| 165 | 0.58 | 0.61 | 0.57 | 0.65 | 0.63 | | | | | | | | | | | | | | |
| 170 | 0.59 | 0.61 | 0.62 | 0.65 | 0.64 | | | | | | | | | | | | | | |
| 175 | 0.62 | 0.61 | 0.62 | 0.65 | 0.64 | | | | | | | | | | | | | | |
| 180 | 0.62 | 0.61 | 0.62 | 0.59 | 0.62 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:SENP
 Test Date:2022-05-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:70.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: