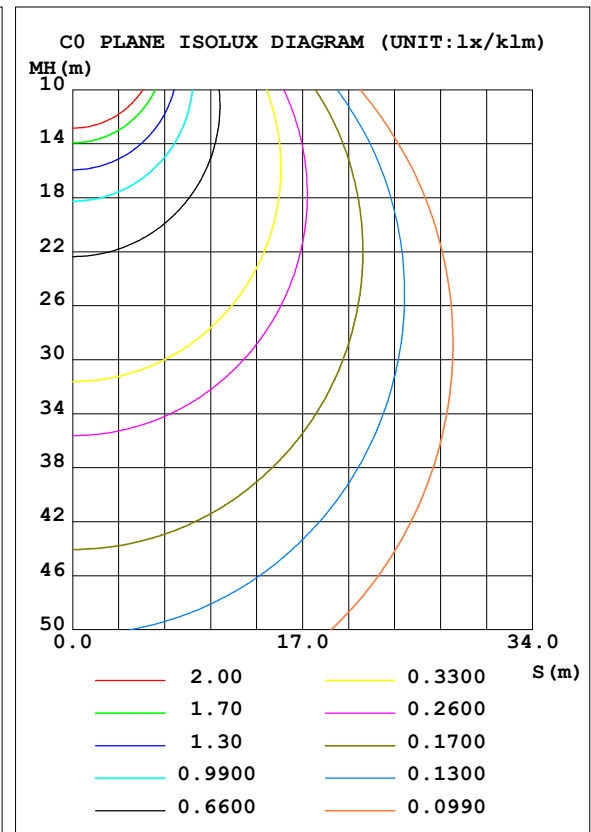
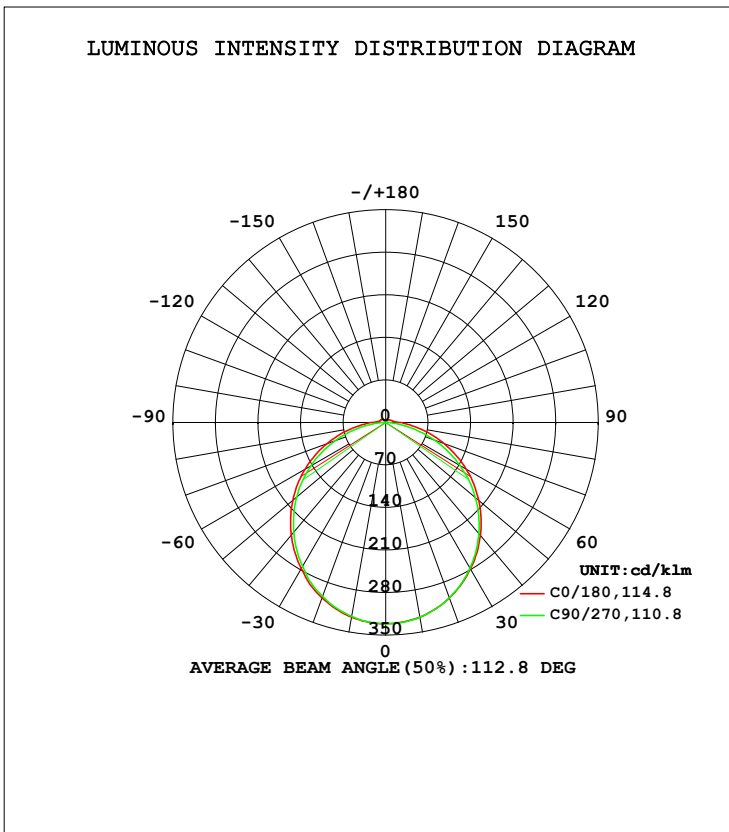


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|----------------------|----------------------|
| Test:U:24.000V I:0.3772A P:9.0520W PF:1.0000 Freq:0Hz Lamp Flux:735.524x1 lm | | |
| NAME: CLK-01-27K | TYPE: LED Strip | WEIGHT: Kg |
| SPEC.: 8.6W | DIM.: 500*10*10 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 500*10 (MM) | Shielding Angle: 120 |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 81.25 lm/W |
|-------------------|----------|---------------------------|---------|---------------------|-----------|-----------------|
| MODEL | SMD /LED | I _{max} (cd/klm) | 331.3 | S/MH (C0/180) | 1.25 | |
| NOMINAL POWER (W) | 9.05 | LOR (%) | 100.0 | S/MH (C90/270) | 1.23 | |
| RATED VOLTAGE (V) | 24 | TOTAL FLUX (lm/klm) | 1000.00 | η UP, DN (C0-180) | 1.8, 48.2 | |
| NOMINAL FLUX (lm) | 735.524 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 1.8, 48.3 | |
| LAMPS INSIDE | 1 | η up (%) | 3.5 | CIBSE SHR NOM | 1.25 | |
| TEST VOLTAGE (V) | 24 | η down (%) | 96.5 | CIBSE SHR MAX | 1.35 | |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Test Date: 2020-8-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.429
 Humidity: 65.0%
 Test Distance: 7.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

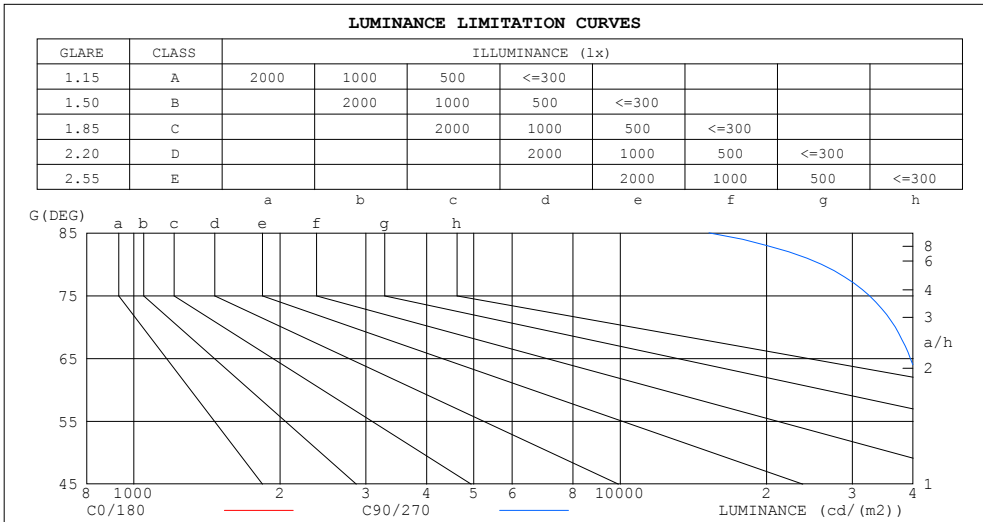
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|---------------------------|-------|--------|-------|-------|-------|--------|-------|----------|-------------|--------------|-----------|
| 10 | 325.1 | 325.3 | 325.4 | 325.5 | 325.2 | 324.7 | 324.2 | 324.7 | 0- 10 | 31.32 | 31.32 | 3.13,3.13 |
| 20 | 307.0 | 307.4 | 306.9 | 307.2 | 307.2 | 305.7 | 304.7 | 305.8 | 10- 20 | 89.49 | 120.8 | 12.1,12.1 |
| 30 | 278.9 | 278.7 | 277.5 | 278.4 | 277.9 | 275.4 | 273.6 | 275.8 | 20- 30 | 135.1 | 255.9 | 25.6,25.6 |
| 40 | 242.6 | 241.5 | 238.9 | 241.3 | 242.0 | 238.6 | 235.6 | 238.8 | 30- 40 | 162.3 | 418.1 | 41.8,41.8 |
| 50 | 200.2 | 197.2 | 192.9 | 197.4 | 199.8 | 195.8 | 191.5 | 195.9 | 40- 50 | 168.8 | 587.0 | 58.7,58.7 |
| 60 | 152.3 | 147.5 | 140.8 | 147.5 | 153.0 | 148.0 | 142.2 | 148.2 | 50- 60 | 154.3 | 741.3 | 74.1,74.1 |
| 70 | 102.7 | 95.04 | 85.39 | 95.32 | 103.4 | 97.37 | 89.32 | 97.53 | 60- 70 | 120.6 | 861.9 | 86.2,86.2 |
| 80 | 55.34 | 44.63 | 30.55 | 44.74 | 55.63 | 47.70 | 36.32 | 47.98 | 70- 80 | 73.96 | 935.8 | 93.6,93.6 |
| 90 | 23.26 | 13.79 | 0.4674 | 12.90 | 22.39 | 14.17 | 1.262 | 15.26 | 80- 90 | 29.06 | 964.9 | 96.5,96.5 |
| 100 | 12.88 | 7.826 | 0.7594 | 7.295 | 11.56 | 7.148 | 0.7316 | 7.898 | 90-100 | 9.904 | 974.8 | 97.5,97.5 |
| 110 | 10.20 | 6.403 | 1.139 | 6.886 | 9.987 | 6.692 | 1.121 | 6.249 | 100-110 | 6.952 | 981.8 | 98.2,98.2 |
| 120 | 8.473 | 5.252 | 1.529 | 6.564 | 9.081 | 6.401 | 1.529 | 4.713 | 110-120 | 5.695 | 987.5 | 98.7,98.7 |
| 130 | 6.847 | 3.575 | 1.904 | 6.085 | 8.198 | 5.925 | 1.928 | 3.354 | 120-130 | 4.499 | 992.0 | 99.2,99.2 |
| 140 | 4.633 | 2.749 | 2.298 | 5.061 | 7.139 | 4.874 | 2.323 | 2.675 | 130-140 | 3.248 | 995.2 | 99.5,99.5 |
| 150 | 3.316 | 2.725 | 2.669 | 2.770 | 5.513 | 2.838 | 2.693 | 2.680 | 140-150 | 2.244 | 997.4 | 99.7,99.7 |
| 160 | 2.995 | 2.953 | 2.925 | 2.940 | 2.843 | 2.944 | 2.930 | 2.893 | 150-160 | 1.405 | 998.8 | 99.9,99.9 |
| 170 | 3.105 | 3.125 | 3.105 | 3.111 | 3.082 | 3.153 | 3.111 | 3.088 | 160-170 | 0.8527 | 999.7 | 100,100 |
| 180 | 3.124 | 3.158 | 3.134 | 3.116 | 3.115 | 3.153 | 3.120 | 3.121 | 170-180 | 0.2988 | 1000.0 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd/klm | | | | | | | | | UNIT:lm/klm | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Test Date:2020-8-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|----------------------|----------------------|
| Test:U:24.000V I:0.3772A P:9.0520W PF:1.0000 Freq:0Hz Lamp Flux:735.524x1 lm | | |
| NAME: CLK-01-27K | TYPE: LED Strip | WEIGHT: Kg |
| SPEC.: 8.6W | DIM.: 500*10*10 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 500*10 (MM) | Shielding Angle: 120 |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 61389 | 15227 |
| 80 | 46701 | 25904 |
| 75 | 44201 | 32528 |
| 70 | 43987 | 36756 |
| 65 | 44271 | 39508 |
| 60 | 44652 | 41459 |
| 55 | 45246 | 43077 |
| 50 | 45638 | 44177 |
| 45 | 46014 | 45129 |

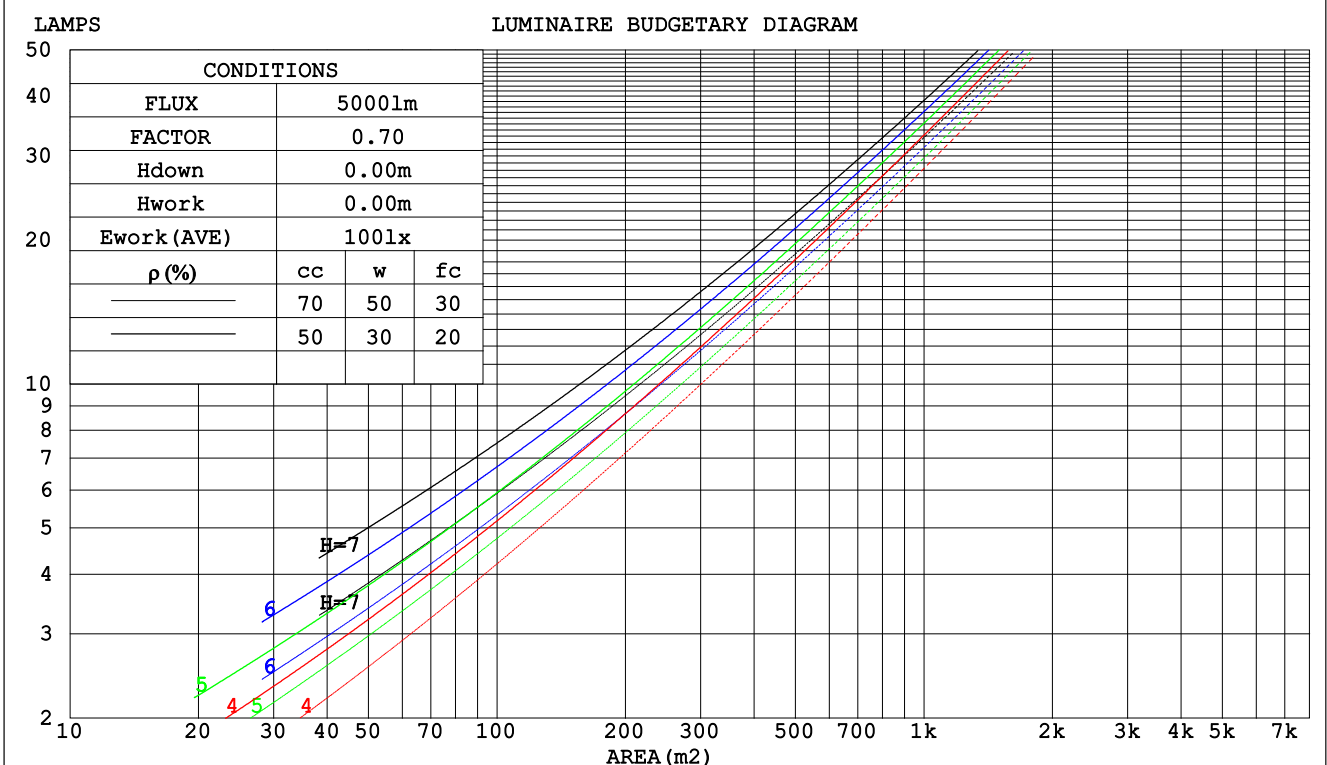
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Test Date:2020-8-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|---------------------|----------------------|
| Test:U:24.000V I:0.3772A P:9.0520W PF:1.0000 Freq:0Hz Lamp Flux:735.524x1 lm | | |
| NAME: CLK-01-27K | TYPE: LED Strip | WEIGHT: Kg |
| SPEC.: 8.6W | DIM.: 500*10*10(MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 500*10(MM) | Shielding Angle: 120 |

| 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 | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.09 | 1.09 | 1.09 | 1.04 | 1.04 | 1.04 | .99 | .99 | .99 | .96 |
| 1.0 | 1.02 | .98 | .94 | .90 | .96 | .92 | .95 | .91 | .88 | .90 | .88 | .85 | .86 | .84 | .82 | .80 |
| 2.0 | .89 | .82 | .76 | .87 | .80 | .75 | .83 | .77 | .72 | .79 | .74 | .70 | .75 | .71 | .68 | .66 |
| 3.0 | .78 | .70 | .63 | .76 | .68 | .62 | .72 | .66 | .60 | .69 | .64 | .59 | .66 | .62 | .58 | .55 |
| 4.0 | .69 | .60 | .53 | .67 | .59 | .53 | .64 | .57 | .51 | .62 | .55 | .50 | .59 | .54 | .49 | .47 |
| 5.0 | .61 | .52 | .46 | .60 | .52 | .45 | .58 | .50 | .44 | .55 | .49 | .44 | .53 | .47 | .43 | .40 |
| 6.0 | .55 | .46 | .40 | .54 | .46 | .39 | .52 | .44 | .39 | .50 | .43 | .38 | .48 | .42 | .38 | .35 |
| 7.0 | .50 | .41 | .35 | .49 | .41 | .35 | .47 | .40 | .34 | .45 | .39 | .34 | .44 | .38 | .33 | .31 |
| 8.0 | .46 | .37 | .31 | .45 | .37 | .31 | .43 | .36 | .31 | .42 | .35 | .30 | .40 | .34 | .30 | .28 |
| 9.0 | .42 | .34 | .28 | .41 | .33 | .28 | .40 | .33 | .28 | .38 | .32 | .27 | .37 | .31 | .27 | .25 |
| 10.0 | .39 | .31 | .25 | .38 | .30 | .25 | .37 | .30 | .25 | .36 | .29 | .25 | .34 | .29 | .24 | .23 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Test Date:2020-8-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|--|---------------------|----------------------|
| Test:U:24.000V I:0.3772A P:9.0520W PF:1.0000 Freq:0Hz Lamp Flux:735.524x1 lm | | |
| NAME: CLK-01-27K | TYPE: LED Strip | WEIGHT: Kg |
| SPEC.: 8.6W | DIM.: 500*10*10(MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 500*10(MM) | Shielding Angle: 120 |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .323 | .184 | .058 | .315 | .180 | .057 | .299 | .172 | .055 | .285 | .165 | .053 | .272 | .158 | .051 | |
| 2.0 | .299 | .164 | .050 | .291 | .160 | .049 | .278 | .154 | .048 | .265 | .149 | .047 | .254 | .143 | .045 | |
| 3.0 | .274 | .146 | .044 | .268 | .143 | .043 | .256 | .139 | .042 | .244 | .134 | .041 | .234 | .130 | .040 | |
| 4.0 | .252 | .131 | .038 | .246 | .129 | .038 | .235 | .125 | .037 | .225 | .121 | .036 | .216 | .117 | .036 | |
| 5.0 | .232 | .118 | .034 | .227 | .117 | .034 | .217 | .113 | .033 | .208 | .110 | .033 | .200 | .107 | .032 | |
| 6.0 | .215 | .108 | .031 | .210 | .106 | .031 | .201 | .103 | .030 | .193 | .100 | .030 | .186 | .098 | .029 | |
| 7.0 | .200 | .099 | .028 | .195 | .097 | .028 | .188 | .095 | .027 | .180 | .092 | .027 | .173 | .090 | .026 | |
| 8.0 | .186 | .091 | .026 | .182 | .090 | .025 | .175 | .088 | .025 | .169 | .085 | .025 | .163 | .083 | .024 | |
| 9.0 | .174 | .084 | .024 | .171 | .083 | .023 | .165 | .081 | .023 | .159 | .079 | .023 | .153 | .078 | .022 | |
| 10.0 | .164 | .079 | .022 | .161 | .078 | .022 | .155 | .076 | .021 | .149 | .074 | .021 | .144 | .073 | .021 | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .217 | .217 | .217 | .186 | .186 | .186 | .127 | .127 | .127 | .073 | .073 | .073 | .023 | .023 | .023 | |
| 1.0 | .208 | .183 | .160 | .178 | .157 | .138 | .122 | .108 | .095 | .070 | .063 | .055 | .022 | .020 | .018 | |
| 2.0 | .200 | .159 | .124 | .172 | .137 | .107 | .118 | .095 | .075 | .068 | .055 | .044 | .022 | .018 | .014 | |
| 3.0 | .193 | .142 | .101 | .165 | .122 | .088 | .113 | .085 | .061 | .065 | .050 | .036 | .021 | .016 | .012 | |
| 4.0 | .185 | .128 | .085 | .159 | .111 | .074 | .109 | .077 | .052 | .063 | .045 | .031 | .020 | .015 | .010 | |
| 5.0 | .177 | .118 | .074 | .152 | .102 | .065 | .105 | .071 | .046 | .061 | .042 | .027 | .020 | .014 | .009 | |
| 6.0 | .170 | .110 | .067 | .146 | .095 | .058 | .101 | .067 | .041 | .059 | .039 | .024 | .019 | .013 | .008 | |
| 7.0 | .163 | .103 | .061 | .141 | .089 | .053 | .097 | .063 | .038 | .056 | .037 | .022 | .018 | .012 | .007 | |
| 8.0 | .157 | .097 | .056 | .135 | .084 | .049 | .093 | .059 | .035 | .054 | .035 | .021 | .018 | .011 | .007 | |
| 9.0 | .151 | .092 | .053 | .130 | .080 | .046 | .090 | .056 | .033 | .052 | .033 | .020 | .017 | .011 | .006 | |
| 10.0 | .145 | .088 | .050 | .125 | .076 | .044 | .087 | .054 | .031 | .051 | .032 | .019 | .016 | .010 | .006 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Test Date:2020-8-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|---------------------|----------------|------|----------------------|------|------|
| Test:U:24.000V I:0.3772A P:9.0520W PF:1.0000 Freq:0Hz Lamp Flux:735.524x1 lm | | | | | | | | | | |
| NAME: CLK-01-27K | | | | | TYPE: LED Strip | | | WEIGHT: Kg | | |
| SPEC.: 8.6W | | | | | DIM.: 500*10*10(MM) | | | SERIAL No.: 001 | | |
| MFR.: Flexfire LEDs, Inc. | | | | | SUR.: 500*10(MM) | | | Shielding Angle: 120 | | |
| 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 | 26.3 | 27.9 | 26.7 | 28.2 | 28.6 | 25.9 | 27.5 | 26.4 | 27.9 | 28.3 |
| 3H | 28.3 | 29.7 | 28.7 | 30.1 | 30.6 | 27.7 | 29.1 | 28.1 | 29.5 | 30.0 |
| 4H | 29.2 | 30.5 | 29.6 | 30.9 | 31.4 | 28.3 | 29.6 | 28.7 | 30.1 | 30.5 |
| 6H | 29.9 | 31.2 | 30.4 | 31.6 | 32.1 | 28.7 | 29.9 | 29.1 | 30.4 | 30.8 |
| 8H | 30.2 | 31.4 | 30.7 | 31.9 | 32.4 | 28.8 | 30.0 | 29.2 | 30.4 | 30.9 |
| 12H | 30.6 | 31.7 | 31.1 | 32.2 | 32.7 | 28.8 | 29.9 | 29.3 | 30.4 | 30.9 |
| 4H 2H | 26.9 | 28.3 | 27.4 | 28.7 | 29.1 | 26.6 | 28.0 | 27.1 | 28.4 | 28.9 |
| 3H | 29.2 | 30.3 | 29.6 | 30.8 | 31.2 | 28.6 | 29.8 | 29.1 | 30.2 | 30.7 |
| 4H | 30.2 | 31.2 | 30.6 | 31.7 | 32.2 | 29.4 | 30.4 | 29.8 | 30.9 | 31.4 |
| 6H | 31.1 | 32.0 | 31.6 | 32.5 | 33.0 | 29.9 | 30.8 | 30.4 | 31.3 | 31.8 |
| 8H | 31.5 | 32.3 | 32.0 | 32.8 | 33.4 | 30.0 | 30.8 | 30.5 | 31.3 | 31.9 |
| 12H | 31.9 | 32.7 | 32.5 | 33.2 | 33.8 | 30.0 | 30.8 | 30.6 | 31.3 | 31.9 |
| 8H 4H | 30.5 | 31.3 | 31.0 | 31.8 | 32.4 | 29.8 | 30.6 | 30.3 | 31.1 | 31.7 |
| 6H | 31.5 | 32.3 | 32.1 | 32.8 | 33.4 | 30.4 | 31.1 | 31.0 | 31.7 | 32.2 |
| 8H | 32.1 | 32.7 | 32.6 | 33.3 | 33.9 | 30.6 | 31.2 | 31.2 | 31.8 | 32.4 |
| 12H | 32.7 | 33.3 | 33.2 | 33.8 | 34.4 | 30.7 | 31.3 | 31.3 | 31.8 | 32.5 |
| 12H 4H | 30.5 | 31.3 | 31.0 | 31.8 | 32.3 | 29.8 | 30.6 | 30.4 | 31.1 | 31.7 |
| 6H | 31.6 | 32.3 | 32.2 | 32.8 | 33.4 | 30.5 | 31.2 | 31.1 | 31.7 | 32.3 |
| 8H | 32.2 | 32.8 | 32.8 | 33.3 | 34.0 | 30.8 | 31.4 | 31.4 | 31.9 | 32.6 |
| CIE190: 2010 | | | | | | | | | | |
| | | | | | | | | | | |

CIE190: 2010
Area: 0.005 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.0DEG
Test Date:2020-8-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.429
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|---------------------|----------------------|
| Test:U:24.000V I:0.3772A P:9.0520W PF:1.0000 Freq:0Hz Lamp Flux:735.524x1 lm | | |
| NAME: CLK-01-27K | TYPE: LED Strip | WEIGHT: Kg |
| SPEC.: 8.6W | DIM.: 500*10*10(MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 500*10(MM) | Shielding Angle: 120 |

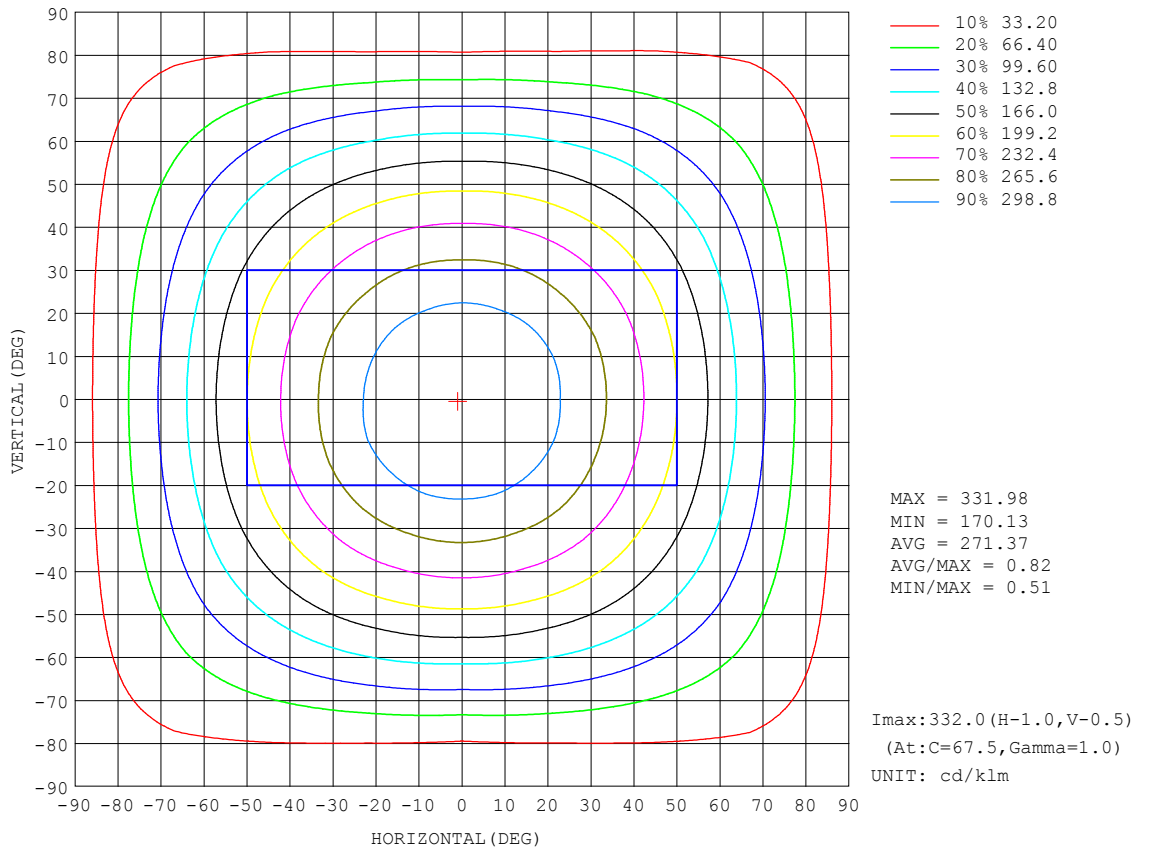
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 56 | 44 | 37 | 55 | 44 | 37 | 54 | 43 | 37 | 30 |
| 0.80 | 66 | 54 | 46 | 65 | 53 | 46 | 63 | 52 | 46 | 39 |
| 1.00 | 74 | 63 | 55 | 73 | 62 | 55 | 70 | 63 | 54 | 47 |
| 1.25 | 81 | 70 | 63 | 79 | 69 | 62 | 76 | 68 | 61 | 54 |
| 1.50 | 86 | 76 | 68 | 84 | 75 | 68 | 81 | 73 | 67 | 58 |
| 2.00 | 93 | 84 | 77 | 91 | 83 | 76 | 87 | 80 | 74 | 66 |
| 2.50 | 97 | 89 | 82 | 95 | 87 | 81 | 90 | 84 | 79 | 70 |
| 3.00 | 100 | 93 | 87 | 98 | 91 | 86 | 93 | 88 | 83 | 74 |
| 4.00 | 105 | 98 | 93 | 102 | 96 | 92 | 97 | 93 | 89 | 79 |
| 5.00 | 107 | 102 | 97 | 104 | 100 | 96 | 99 | 95 | 92 | 82 |
| 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:25.0DEG
 Test Date:2020-8-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|----------------------|----------------------|
| Test:U:24.000V I:0.3772A P:9.0520W PF:1.0000 Freq:0Hz Lamp Flux:735.524x1 lm | | |
| NAME: CLK-01-27K | TYPE: LED Strip | WEIGHT: Kg |
| SPEC.: 8.6W | DIM.: 500*10*10 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 500*10 (MM) | Shielding Angle: 120 |

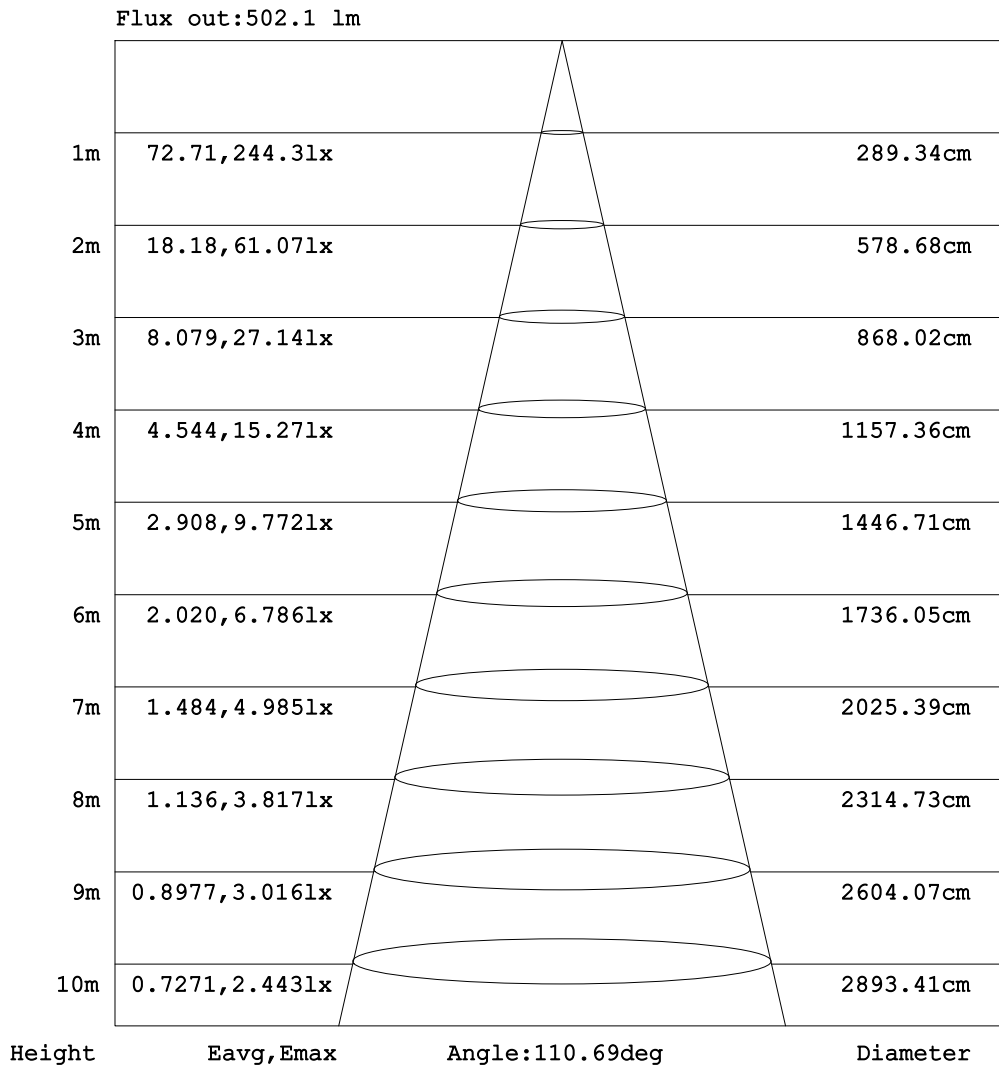


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Test Date: 2020-8-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.429
 Humidity: 65.0%
 Test Distance: 7.000m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|--|----------------------|----------------------|
| Test:U:24.000V I:0.3772A P:9.0520W PF:1.0000 Freq:0Hz Lamp Flux:735.524x1 lm | | |
| NAME: CLK-01-27K | TYPE: LED Strip | WEIGHT: Kg |
| SPEC.: 8.6W | DIM.: 500*10*10 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 500*10 (MM) | Shielding Angle: 120 |



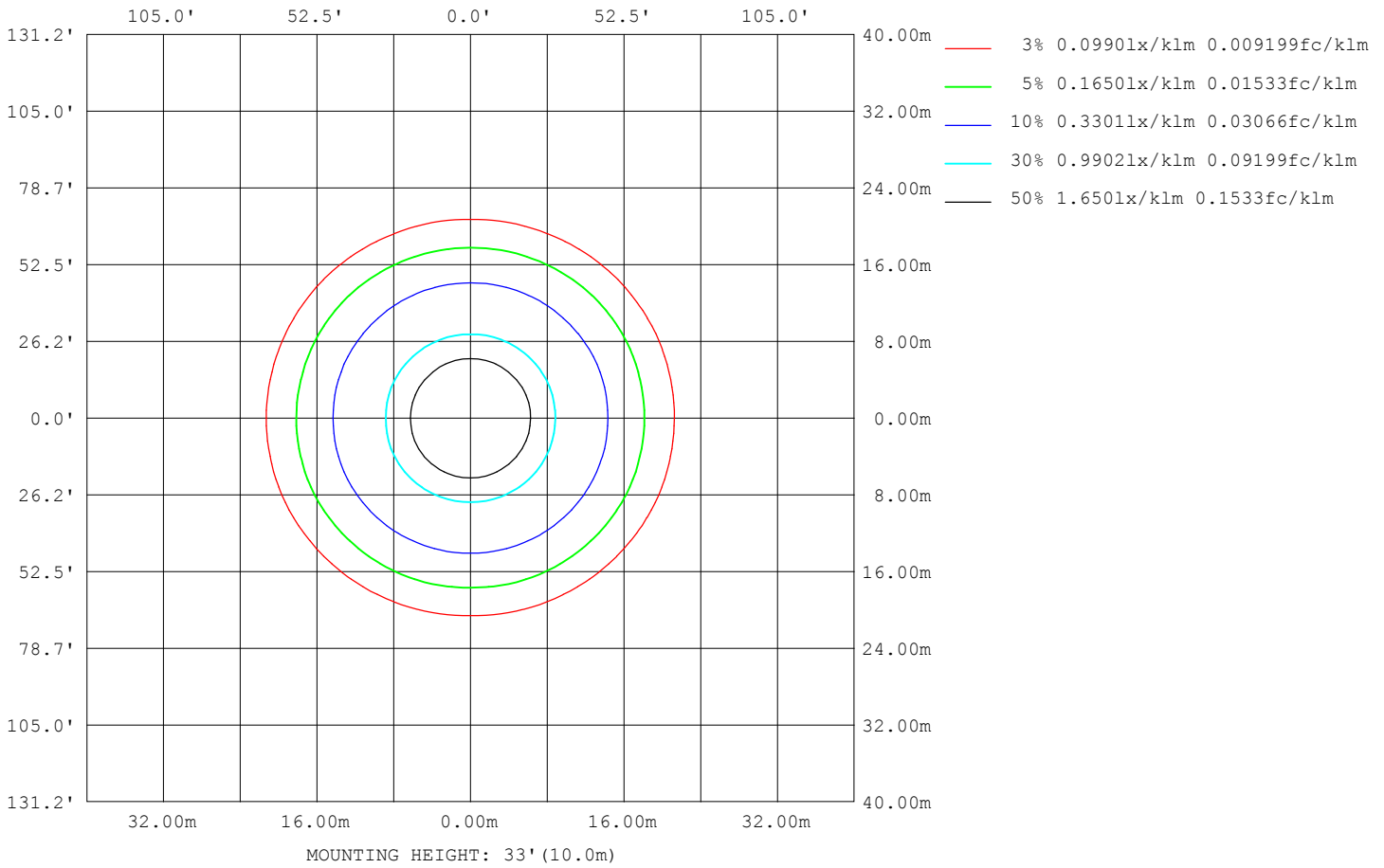
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Test Date:2020-8-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|--|----------------------|----------------------|
| Test:U:24.000V I:0.3772A P:9.0520W PF:1.0000 Freq:0Hz Lamp Flux:735.524x1 lm | | |
| NAME: CLK-01-27K | TYPE: LED Strip | WEIGHT: Kg |
| SPEC.: 8.6W | DIM.: 500*10*10 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 500*10 (MM) | Shielding Angle: 120 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Test Date:2020-8-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|--|---------------------|----------------------|
| Test:U:24.000V I:0.3772A P:9.0520W PF:1.0000 Freq:0Hz Lamp Flux:735.524x1 lm | | |
| NAME: CLK-01-27K | TYPE: LED Strip | WEIGHT: Kg |
| SPEC.: 8.6W | DIM.: 500*10*10(MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 500*10(MM) | Shielding Angle: 120 |

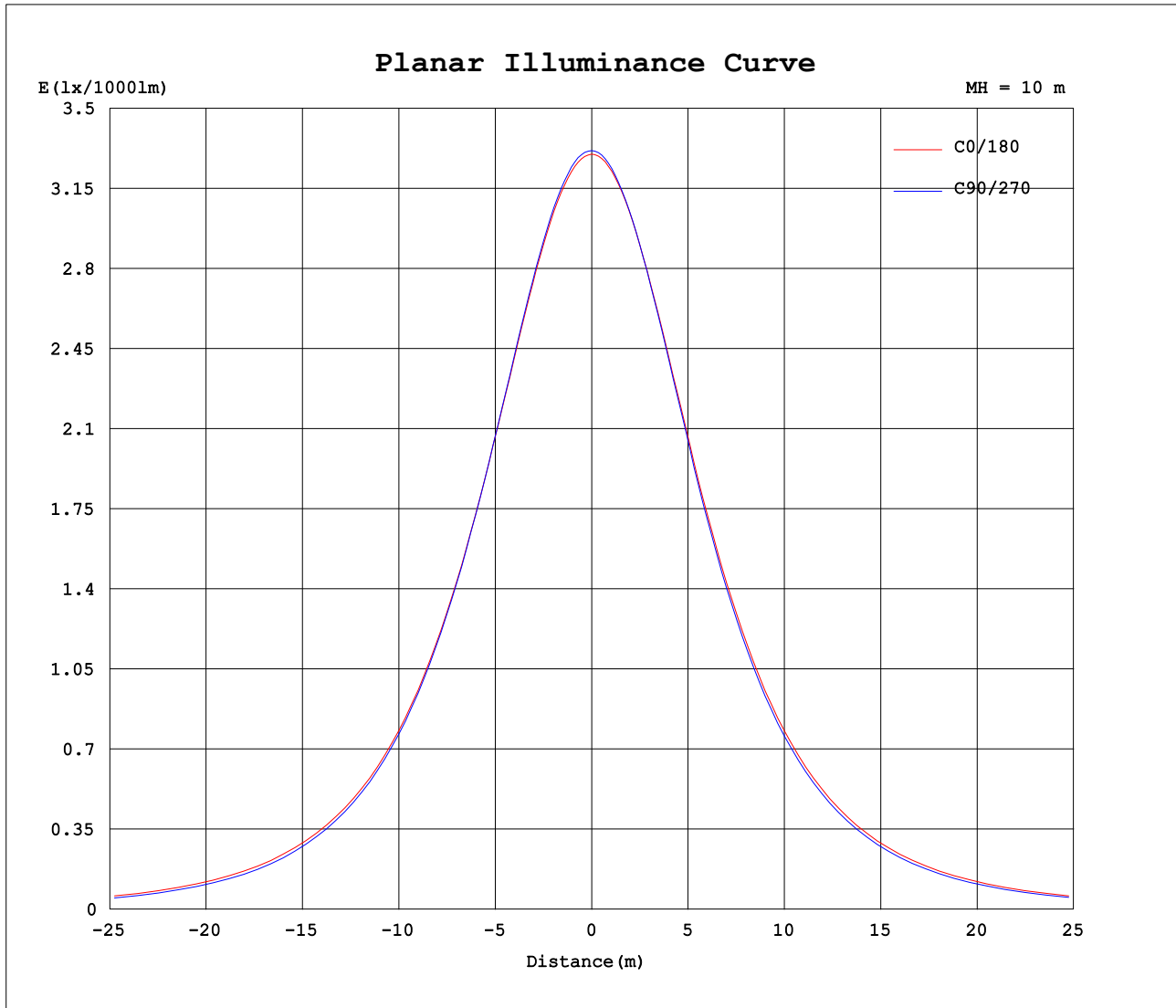
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 44566 |
| L_0~180 (75) av | 44557 |
| L_0~180 (85) av | 61438 |
| L_90~270 (65) av | 39923 |
| L_90~270 (75) av | 33940 |
| L_90~270 (85) av | 19511 |
| L_45 (65) av | 42580 |
| L_45 (75) av | 40058 |
| L_45 (85) av | 44740 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Test Date:2020-8-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Test Date:2020-8-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.429
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|---------------------|----------------------|
| Test:U:24.000V I:0.3772A P:9.0520W PF:1.0000 Freq:0Hz Lamp Flux:735.524x1 lm | | |
| NAME: CLK-01-27K | TYPE: LED Strip | WEIGHT: Kg |
| SPEC.: 8.6W | DIM.: 500*10*10(MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 500*10(MM) | Shielding Angle: 120 |

Table--1

UNIT: cd/klm

| 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 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | 331 | | | |
| 5 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 329 | 330 | 329 | 330 | 329 | | | |
| 10 | 325 | 325 | 325 | 326 | 325 | 326 | 325 | 325 | 325 | 325 | 325 | 324 | 324 | 324 | 325 | 325 | | | |
| 15 | 318 | 318 | 318 | 318 | 318 | 318 | 318 | 318 | 318 | 317 | 316 | 316 | 316 | 316 | 317 | 317 | | | |
| 20 | 307 | 308 | 307 | 307 | 307 | 307 | 307 | 308 | 307 | 306 | 306 | 305 | 305 | 305 | 306 | 306 | | | |
| 25 | 294 | 295 | 294 | 294 | 294 | 294 | 294 | 295 | 294 | 293 | 292 | 291 | 291 | 291 | 293 | 293 | | | |
| 30 | 279 | 278 | 279 | 277 | 277 | 277 | 278 | 278 | 278 | 278 | 275 | 275 | 274 | 275 | 276 | 278 | | | |
| 35 | 262 | 261 | 261 | 259 | 259 | 259 | 261 | 261 | 261 | 261 | 258 | 257 | 255 | 257 | 258 | 261 | | | |
| 40 | 243 | 242 | 241 | 239 | 239 | 239 | 241 | 242 | 242 | 242 | 239 | 237 | 236 | 237 | 239 | 242 | | | |
| 45 | 222 | 221 | 220 | 218 | 217 | 217 | 220 | 221 | 222 | 221 | 218 | 216 | 214 | 216 | 218 | 221 | | | |
| 50 | 200 | 199 | 197 | 194 | 193 | 194 | 197 | 199 | 200 | 199 | 196 | 193 | 191 | 194 | 196 | 199 | | | |
| 55 | 177 | 176 | 173 | 170 | 168 | 169 | 173 | 176 | 177 | 176 | 172 | 169 | 167 | 170 | 173 | 176 | | | |
| 60 | 152 | 152 | 147 | 144 | 141 | 144 | 147 | 152 | 153 | 151 | 148 | 144 | 142 | 144 | 148 | 151 | | | |
| 65 | 128 | 127 | 122 | 117 | 113 | 117 | 122 | 127 | 128 | 127 | 123 | 118 | 116 | 118 | 123 | 127 | | | |
| 70 | 103 | 101 | 95.0 | 89.5 | 85.4 | 89.5 | 95.3 | 101 | 103 | 102 | 97.4 | 91.5 | 89.3 | 91.7 | 97.5 | 101 | | | |
| 75 | 78.1 | 75.7 | 68.9 | 62.0 | 57.2 | 62.0 | 69.1 | 75.9 | 78.7 | 76.6 | 71.8 | 65.1 | 62.2 | 65.5 | 72.1 | 76.6 | | | |
| 80 | 55.3 | 52.6 | 44.6 | 36.2 | 30.6 | 36.4 | 44.7 | 52.5 | 55.6 | 53.3 | 47.7 | 39.8 | 36.3 | 40.2 | 48.0 | 53.6 | | | |
| 85 | 36.5 | 33.7 | 25.4 | 15.7 | 9.01 | 15.6 | 25.0 | 33.1 | 36.3 | 33.7 | 27.4 | 18.5 | 14.1 | 19.0 | 28.2 | 34.4 | | | |
| 90 | 23.3 | 20.8 | 13.8 | 5.53 | 0.47 | 5.26 | 12.9 | 19.7 | 22.4 | 20.1 | 14.2 | 6.23 | 1.26 | 6.95 | 15.3 | 21.2 | | | |
| 95 | 16.1 | 14.2 | 9.31 | 3.63 | 0.60 | 3.58 | 8.32 | 12.9 | 14.7 | 13.0 | 8.56 | 3.67 | 0.56 | 4.19 | 9.72 | 14.3 | | | |
| 100 | 12.9 | 11.5 | 7.83 | 3.28 | 0.76 | 3.61 | 7.29 | 10.3 | 11.6 | 10.2 | 7.15 | 3.60 | 0.73 | 3.70 | 7.90 | 11.4 | | | |
| 105 | 11.3 | 10.1 | 7.02 | 3.15 | 0.96 | 3.69 | 7.05 | 9.62 | 10.5 | 9.46 | 6.87 | 3.63 | 0.92 | 3.44 | 6.98 | 10.1 | | | |
| 110 | 10.2 | 9.07 | 6.40 | 2.96 | 1.14 | 3.76 | 6.89 | 9.20 | 9.99 | 9.05 | 6.69 | 3.64 | 1.12 | 3.16 | 6.25 | 8.99 | | | |
| 115 | 9.26 | 8.28 | 5.76 | 2.30 | 1.35 | 3.75 | 6.73 | 8.85 | 9.50 | 8.69 | 6.55 | 3.63 | 1.33 | 2.51 | 5.11 | 7.88 | | | |
| 120 | 8.47 | 7.48 | 5.25 | 2.01 | 1.53 | 3.50 | 6.56 | 8.51 | 9.08 | 8.36 | 6.40 | 3.36 | 1.53 | 2.16 | 4.71 | 6.76 | | | |
| 125 | 7.63 | 6.75 | 4.61 | 1.96 | 1.75 | 3.34 | 6.36 | 8.02 | 8.65 | 8.00 | 6.18 | 3.19 | 1.72 | 1.99 | 4.07 | 6.28 | | | |
| 130 | 6.85 | 6.02 | 3.57 | 1.96 | 1.90 | 2.86 | 6.09 | 7.39 | 8.20 | 7.61 | 5.93 | 2.50 | 1.93 | 1.98 | 3.35 | 5.46 | | | |
| 135 | 6.00 | 5.12 | 3.01 | 2.14 | 2.09 | 2.11 | 5.48 | 7.03 | 7.69 | 7.17 | 5.32 | 2.12 | 2.12 | 2.11 | 2.78 | 4.36 | | | |
| 140 | 4.63 | 3.85 | 2.75 | 2.32 | 2.30 | 2.32 | 5.06 | 6.49 | 7.14 | 6.49 | 4.87 | 2.32 | 2.32 | 2.28 | 2.67 | 3.53 | | | |
| 145 | 3.79 | 3.26 | 2.74 | 2.53 | 2.51 | 2.53 | 4.10 | 5.84 | 6.26 | 5.76 | 3.97 | 2.53 | 2.54 | 2.49 | 2.63 | 3.09 | | | |
| 150 | 3.32 | 3.03 | 2.73 | 2.69 | 2.67 | 2.70 | 2.77 | 5.24 | 5.51 | 5.16 | 2.84 | 2.68 | 2.69 | 2.65 | 2.68 | 2.84 | | | |
| 155 | 3.05 | 2.94 | 2.84 | 2.83 | 2.81 | 2.83 | 2.84 | 3.70 | 4.04 | 3.54 | 2.83 | 2.81 | 2.80 | 2.77 | 2.77 | 2.78 | | | |
| 160 | 2.99 | 2.95 | 2.95 | 2.94 | 2.92 | 2.94 | 2.94 | 2.93 | 2.84 | 2.81 | 2.94 | 2.92 | 2.93 | 2.88 | 2.89 | 2.88 | | | |
| 165 | 3.03 | 3.03 | 3.05 | 3.05 | 3.03 | 3.04 | 3.03 | 3.06 | 2.97 | 2.97 | 3.05 | 3.04 | 3.03 | 2.99 | 3.00 | 2.99 | | | |
| 170 | 3.11 | 3.09 | 3.12 | 3.12 | 3.11 | 3.11 | 3.11 | 3.11 | 3.08 | 3.05 | 3.15 | 3.11 | 3.11 | 3.08 | 3.09 | 3.10 | | | |
| 175 | 3.15 | 3.13 | 3.19 | 3.16 | 3.14 | 3.14 | 3.15 | 3.12 | 3.13 | 3.12 | 3.20 | 3.18 | 3.16 | 3.13 | 3.13 | 3.14 | | | |
| 180 | 3.12 | 3.10 | 3.16 | 3.14 | 3.13 | 3.11 | 3.12 | 3.10 | 3.11 | 3.10 | 3.15 | 3.14 | 3.12 | 3.12 | 3.12 | 3.10 | | | |

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 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Test Date:2020-8-13

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 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.429
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