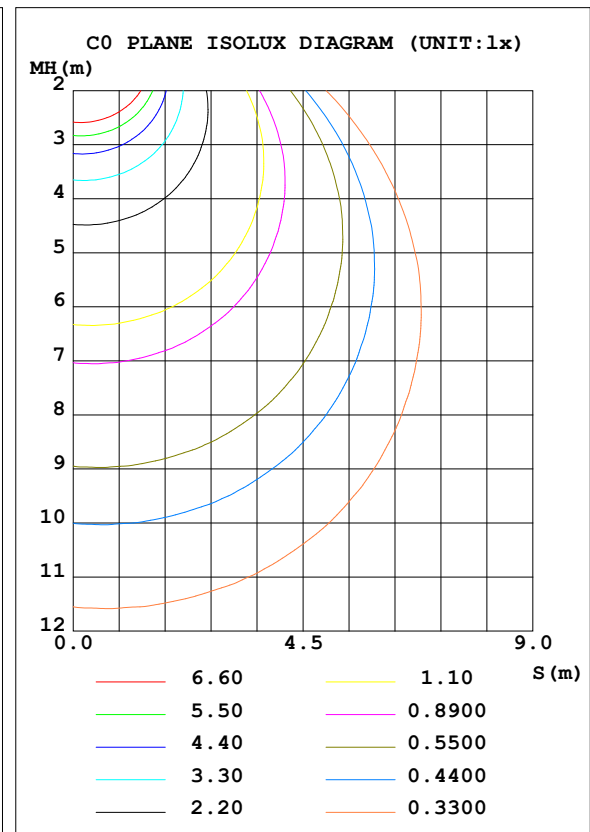
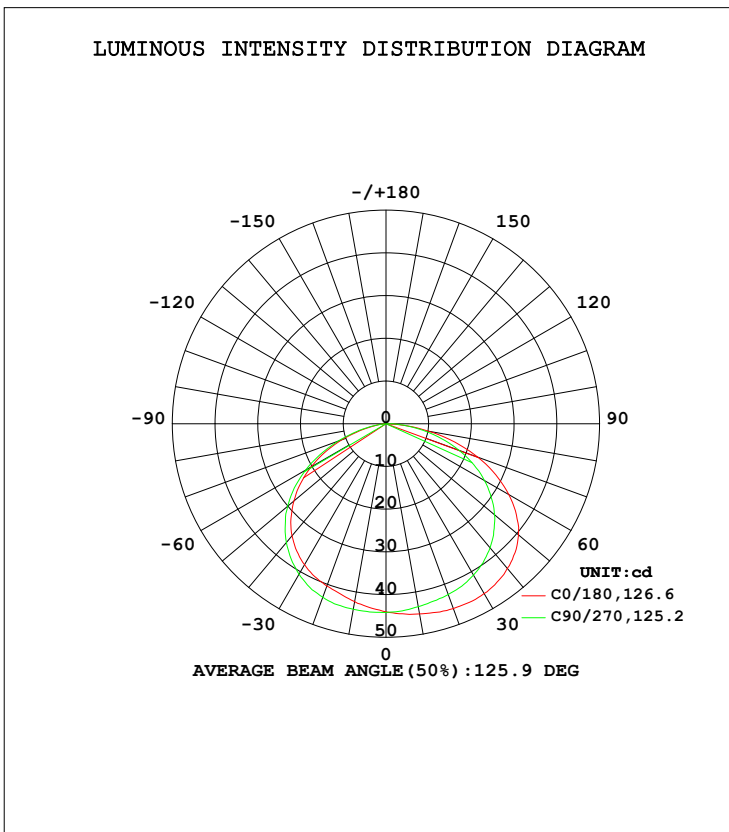


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|----------------------|----------------------|
| Test:U:24.002V I:0.1934A P:4.6420W PF:1.0000 Freq:60.00Hz Lamp Flux:150.059x1 lm | | |
| NAME: CB-RGBW | TYPE: LED Strip | WEIGHT: |
| SPEC.: 19W | DIM.: 1000*12*2 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle: 120 |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 32.33 lm/W | | | |
|-------------------|---------|----------------------------------|--------|---------------------|-----------|
| MODEL | | I _{max} (cd) | 46.16 | S/MH (C0/180) | 1.30 |
| NOMINAL POWER (W) | | LOR (%) | 100.0 | S/MH (C90/270) | 1.36 |
| RATED VOLTAGE (V) | | TOTAL FLUX (lm) | 150.06 | η UP, DN (C0-180) | 0.0, 56.6 |
| NOMINAL FLUX (lm) | 150.059 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.0, 43.4 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE (V) | | η down (%) | 100.0 | CIBSE SHR MAX | 1.55 |



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2022-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity: 65.0%
 Test Distance: 8.820m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

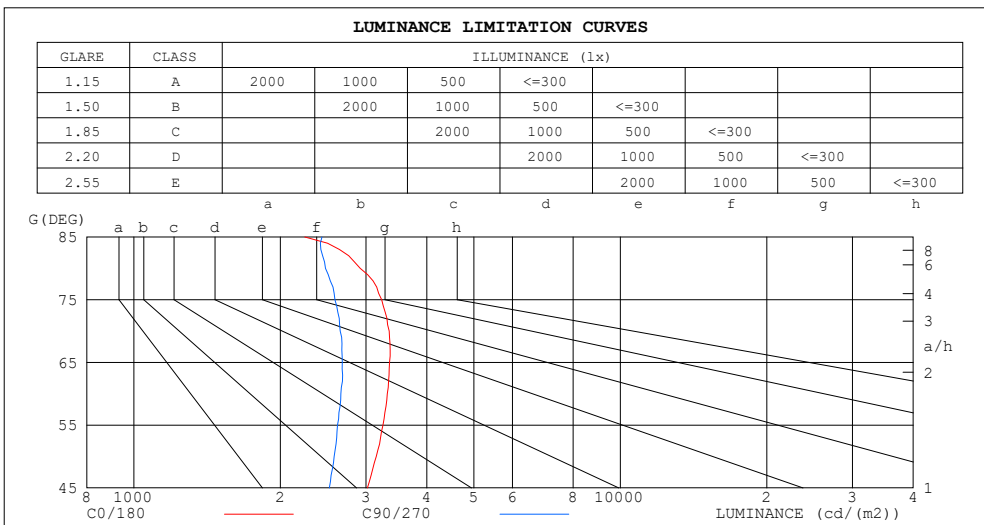
| γ | C0 | C90 | C180 | C270 | | | | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|-------|-------|-------|--|--|--|----------|-------------|--------------|-----------|
| 10 | 45.20 | 43.48 | 42.29 | 44.09 | | | | 0- 10 | 4.193 | 4.193 | 2.79,2.79 |
| 20 | 46.04 | 42.54 | 40.45 | 43.23 | | | | 10- 20 | 12.31 | 16.50 | 11,11 |
| 30 | 45.90 | 40.94 | 38.11 | 40.67 | | | | 20- 30 | 19.59 | 36.09 | 24,24 |
| 40 | 44.19 | 37.90 | 34.22 | 36.28 | | | | 30- 40 | 25.04 | 61.13 | 40.7,40.7 |
| 50 | 40.49 | 33.16 | 28.13 | 30.02 | | | | 40- 50 | 27.62 | 88.75 | 59.1,59.1 |
| 60 | 33.17 | 26.64 | 20.27 | 21.72 | | | | 50- 60 | 26.32 | 115.1 | 76.7,76.7 |
| 70 | 22.91 | 18.17 | 10.93 | 11.93 | | | | 60- 70 | 20.64 | 135.7 | 90.4,90.4 |
| 80 | 10.14 | 8.600 | 2.640 | 3.170 | | | | 70- 80 | 11.56 | 147.3 | 98.1,98.1 |
| 90 | 0 | 1.161 | 0 | 0 | | | | 80- 90 | 2.745 | 150.0 | 100,100 |
| 100 | 0 | 0 | 0 | 0 | | | | 90-100 | 0.0456 | 150.1 | 100,100 |
| 110 | 0 | 0 | 0 | 0 | | | | 100-110 | 0 | 150.1 | 100,100 |
| 120 | 0 | 0 | 0 | 0 | | | | 110-120 | 0 | 150.1 | 100,100 |
| 130 | 0 | 0 | 0 | 0 | | | | 120-130 | 0 | 150.1 | 100,100 |
| 140 | 0 | 0 | 0 | 0 | | | | 130-140 | 0 | 150.1 | 100,100 |
| 150 | 0 | 0 | 0 | 0 | | | | 140-150 | 0 | 150.1 | 100,100 |
| 160 | 0 | 0 | 0 | 0 | | | | 150-160 | 0 | 150.1 | 100,100 |
| 170 | 0 | 0 | 0 | 0 | | | | 160-170 | 0 | 150.1 | 100,100 |
| 180 | 0 | 0 | 0 | 0 | | | | 170-180 | 0 | 150.1 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2022-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.820m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|----------------------|----------------------|
| Test:U:24.002V I:0.1934A P:4.6420W PF:1.0000 Freq:60.00Hz Lamp Flux:150.059x1 lm | | |
| NAME: CB-RGBW | TYPE: LED Strip | WEIGHT: |
| SPEC.: 19W | DIM.: 1000*12*2 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle: 120 |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 2246 | 2436 |
| 80 | 2920 | 2476 |
| 75 | 3231 | 2591 |
| 70 | 3349 | 2656 |
| 65 | 3355 | 2683 |
| 60 | 3317 | 2664 |
| 55 | 3251 | 2622 |
| 50 | 3149 | 2579 |
| 45 | 3020 | 2523 |

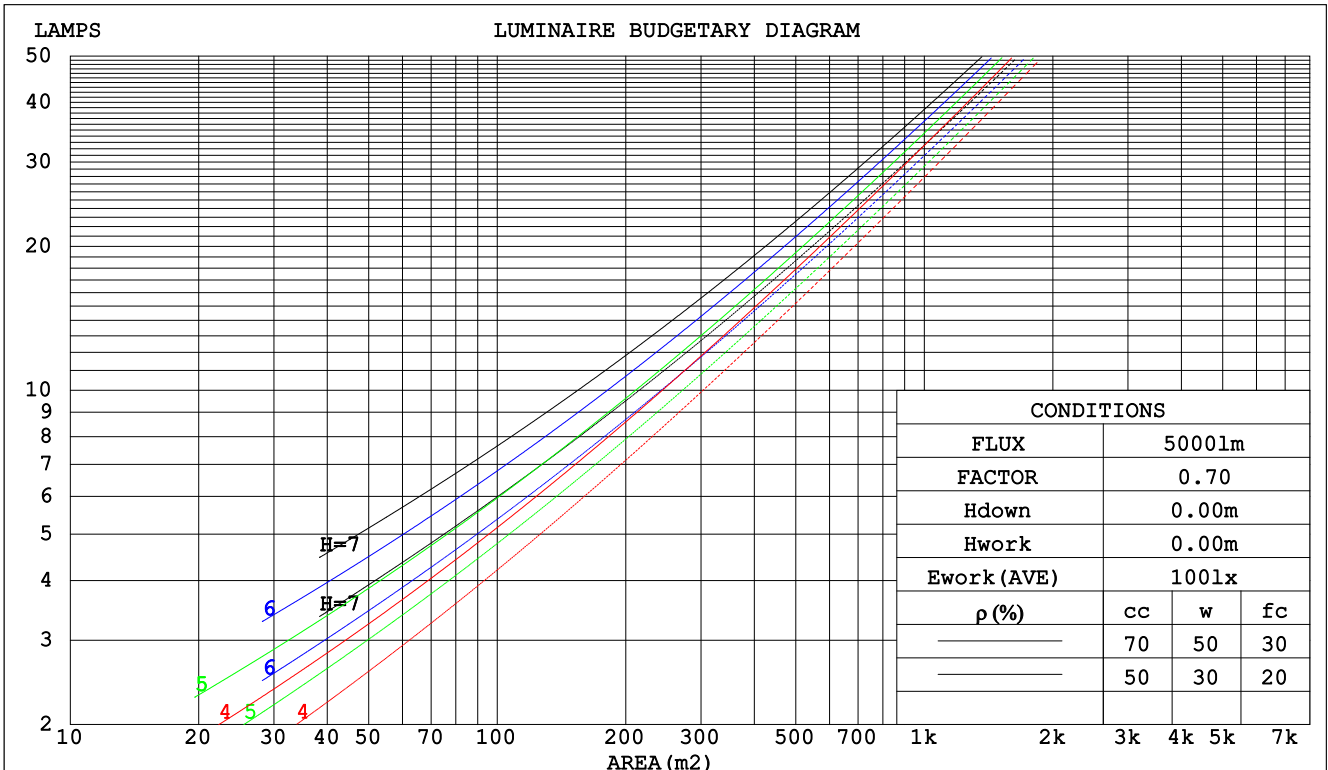
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2022-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.820m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|---------------------|----------------------|
| Test:U:24.002V I:0.1934A P:4.6420W PF:1.0000 Freq:60.00Hz Lamp Flux:150.059x1 lm | | |
| NAME: CB-RGBW | TYPE: LED Strip | WEIGHT: |
| SPEC.: 19W | DIM.: 1000*12*2(MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle: 120 |

| | | | | | | | | | | | | | | | | |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| 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 | 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 | 1.03 | .99 | .95 | 1.01 | .97 | .93 | .97 | .93 | .90 | .93 | .90 | .88 | .89 | .87 | .85 | .83 |
| 2.0 | .89 | .82 | .76 | .87 | .81 | .75 | .84 | .78 | .74 | .81 | .76 | .72 | .78 | .74 | .70 | .68 |
| 3.0 | .78 | .69 | .63 | .76 | .68 | .62 | .73 | .67 | .61 | .71 | .65 | .60 | .68 | .63 | .59 | .57 |
| 4.0 | .69 | .59 | .53 | .67 | .59 | .52 | .65 | .57 | .51 | .62 | .56 | .51 | .60 | .55 | .50 | .48 |
| 5.0 | .61 | .52 | .45 | .60 | .51 | .45 | .58 | .50 | .44 | .56 | .49 | .43 | .54 | .48 | .43 | .41 |
| 6.0 | .55 | .45 | .39 | .54 | .45 | .39 | .52 | .44 | .38 | .50 | .43 | .38 | .48 | .42 | .37 | .35 |
| 7.0 | .49 | .40 | .34 | .48 | .40 | .34 | .47 | .39 | .34 | .45 | .38 | .33 | .44 | .38 | .33 | .31 |
| 8.0 | .45 | .36 | .30 | .44 | .36 | .30 | .43 | .35 | .30 | .41 | .35 | .30 | .40 | .34 | .29 | .27 |
| 9.0 | .41 | .33 | .27 | .40 | .32 | .27 | .39 | .32 | .27 | .38 | .31 | .26 | .37 | .31 | .26 | .24 |
| 10.0 | .38 | .30 | .24 | .37 | .29 | .24 | .36 | .29 | .24 | .35 | .29 | .24 | .34 | .28 | .24 | .22 |



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2022-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.820m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | | | | | | | | |
|--|--|--|--|---------------------|--|--|--|----------------------|--|
| Test:U:24.002V I:0.1934A P:4.6420W PF:1.0000 Freq:60.00Hz Lamp Flux:150.059x1 lm | | | | | | | | | |
| NAME: CB-RGBW | | | | TYPE: LED Strip | | | | WEIGHT: | |
| SPEC.: 19W | | | | DIM.: 1000*12*2(MM) | | | | SERIAL No.: 001 | |
| MFR.: Flexfire LEDs, Inc. | | | | SUR.: 0.02*1 | | | | 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 | .320 | .182 | .058 | .313 | .178 | .057 | .299 | .172 | .055 | .287 | .166 | .053 | .276 | .160 | .052 | |
| 2.0 | .302 | .165 | .051 | .295 | .163 | .050 | .284 | .158 | .049 | .273 | .153 | .048 | .263 | .149 | .047 | |
| 3.0 | .279 | .148 | .044 | .273 | .146 | .044 | .263 | .142 | .043 | .253 | .139 | .043 | .244 | .135 | .042 | |
| 4.0 | .257 | .134 | .039 | .252 | .132 | .039 | .243 | .129 | .038 | .234 | .126 | .038 | .226 | .123 | .037 | |
| 5.0 | .237 | .121 | .035 | .233 | .120 | .035 | .225 | .117 | .034 | .217 | .114 | .034 | .210 | .112 | .034 | |
| 6.0 | .220 | .110 | .032 | .216 | .109 | .031 | .208 | .107 | .031 | .201 | .105 | .031 | .195 | .103 | .030 | |
| 7.0 | .204 | .101 | .029 | .201 | .100 | .028 | .194 | .098 | .028 | .188 | .096 | .028 | .182 | .095 | .028 | |
| 8.0 | .190 | .093 | .026 | .187 | .092 | .026 | .181 | .091 | .026 | .176 | .089 | .026 | .170 | .088 | .025 | |
| 9.0 | .178 | .086 | .024 | .175 | .085 | .024 | .170 | .084 | .024 | .165 | .083 | .024 | .160 | .081 | .024 | |
| 10.0 | .167 | .080 | .022 | .165 | .080 | .022 | .160 | .078 | .022 | .155 | .077 | .022 | .151 | .076 | .022 | |

| 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 | .191 | .191 | .191 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .181 | .156 | .134 | .155 | .134 | .115 | .106 | .092 | .080 | .061 | .053 | .046 | .020 | .017 | .015 | |
| 2.0 | .174 | .132 | .097 | .149 | .114 | .084 | .102 | .079 | .059 | .059 | .046 | .034 | .019 | .015 | .011 | |
| 3.0 | .166 | .115 | .073 | .143 | .099 | .064 | .098 | .069 | .045 | .057 | .040 | .026 | .018 | .013 | .009 | |
| 4.0 | .159 | .101 | .057 | .136 | .088 | .050 | .094 | .061 | .035 | .054 | .036 | .021 | .017 | .012 | .007 | |
| 5.0 | .152 | .091 | .046 | .130 | .079 | .040 | .090 | .055 | .028 | .052 | .032 | .017 | .017 | .011 | .006 | |
| 6.0 | .145 | .083 | .039 | .124 | .072 | .034 | .086 | .050 | .024 | .050 | .030 | .014 | .016 | .010 | .005 | |
| 7.0 | .138 | .076 | .033 | .118 | .066 | .029 | .082 | .046 | .020 | .048 | .027 | .012 | .015 | .009 | .004 | |
| 8.0 | .131 | .070 | .028 | .113 | .061 | .025 | .078 | .043 | .018 | .045 | .025 | .010 | .015 | .008 | .003 | |
| 9.0 | .125 | .065 | .025 | .108 | .057 | .022 | .075 | .040 | .015 | .043 | .024 | .009 | .014 | .008 | .003 | |
| 10.0 | .119 | .061 | .022 | .103 | .053 | .019 | .071 | .037 | .014 | .042 | .022 | .008 | .013 | .007 | .003 | |

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2022-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.820m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|---------------------|------|------|----------------------|------|------|------|------|
| Test:U:24.002V I:0.1934A P:4.6420W PF:1.0000 Freq:60.00Hz Lamp Flux:150.059x1 lm | | | | | | | | | | |
| NAME: CB-RGBW | | | TYPE: LED Strip | | | WEIGHT: | | | | |
| SPEC.: 19W | | | DIM.: 1000*12*2(MM) | | | SERIAL No.: 001 | | | | |
| MFR.: Flexfire LEDs, Inc. | | | SUR.: 0.02*1 | | | 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 | 24.4 | 26.0 | 24.7 | 26.2 | 26.4 | 23.5 | 25.1 | 23.8 | 25.3 | 25.5 |
| 3H | 26.3 | 27.8 | 26.6 | 28.0 | 28.3 | 25.3 | 26.8 | 25.6 | 27.0 | 27.3 |
| 4H | 27.1 | 28.5 | 27.5 | 28.8 | 29.0 | 26.1 | 27.5 | 26.4 | 27.7 | 28.0 |
| 6H | 27.7 | 29.0 | 28.1 | 29.3 | 29.6 | 26.6 | 28.0 | 27.0 | 28.2 | 28.5 |
| 8H | 27.9 | 29.2 | 28.3 | 29.5 | 29.8 | 26.8 | 28.1 | 27.2 | 28.4 | 28.7 |
| 12H | 28.0 | 29.2 | 28.4 | 29.5 | 29.8 | 27.0 | 28.2 | 27.3 | 28.5 | 28.8 |
| 4H 2H | 25.0 | 26.4 | 25.3 | 26.7 | 26.9 | 24.4 | 25.8 | 24.7 | 26.0 | 26.3 |
| 3H | 27.1 | 28.4 | 27.5 | 28.7 | 29.0 | 26.4 | 27.6 | 26.7 | 27.9 | 28.2 |
| 4H | 28.1 | 29.2 | 28.5 | 29.5 | 29.9 | 27.2 | 28.3 | 27.6 | 28.7 | 29.0 |
| 6H | 28.8 | 29.8 | 29.2 | 30.1 | 30.5 | 27.9 | 28.9 | 28.3 | 29.3 | 29.6 |
| 8H | 29.1 | 30.0 | 29.5 | 30.3 | 30.7 | 28.2 | 29.1 | 28.6 | 29.5 | 29.9 |
| 12H | 29.2 | 30.0 | 29.6 | 30.4 | 30.8 | 28.4 | 29.2 | 28.8 | 29.6 | 30.0 |
| 8H 4H | 28.4 | 29.3 | 28.8 | 29.7 | 30.0 | 27.6 | 28.6 | 28.0 | 28.9 | 29.3 |
| 6H | 29.3 | 30.0 | 29.7 | 30.4 | 30.9 | 28.5 | 29.3 | 28.9 | 29.7 | 30.1 |
| 8H | 29.6 | 30.3 | 30.1 | 30.7 | 31.2 | 28.9 | 29.5 | 29.3 | 30.0 | 30.4 |
| 12H | 29.8 | 30.4 | 30.3 | 30.9 | 31.3 | 29.1 | 29.7 | 29.6 | 30.2 | 30.6 |
| 12H 4H | 28.4 | 29.2 | 28.8 | 29.6 | 30.0 | 27.7 | 28.5 | 28.1 | 28.9 | 29.3 |
| 6H | 29.3 | 30.0 | 29.8 | 30.4 | 30.9 | 28.6 | 29.3 | 29.1 | 29.7 | 30.1 |
| 8H | 29.7 | 30.3 | 30.2 | 30.7 | 31.2 | 29.0 | 29.6 | 29.5 | 30.0 | 30.5 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.1 / - 0.3 | | | | | + 0.2 / - 0.5 | | | | |

CIE Pub.117, 150.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.6)
 Area: 0.02 m2

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2022-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.820m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|----------------------|----------------------|
| Test:U:24.002V I:0.1934A P:4.6420W PF:1.0000 Freq:60.00Hz Lamp Flux:150.059x1 lm | | |
| NAME: CB-RGBW | TYPE: LED Strip | WEIGHT: |
| SPEC.: 19W | DIM.: 1000*12*2 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle: 120 |

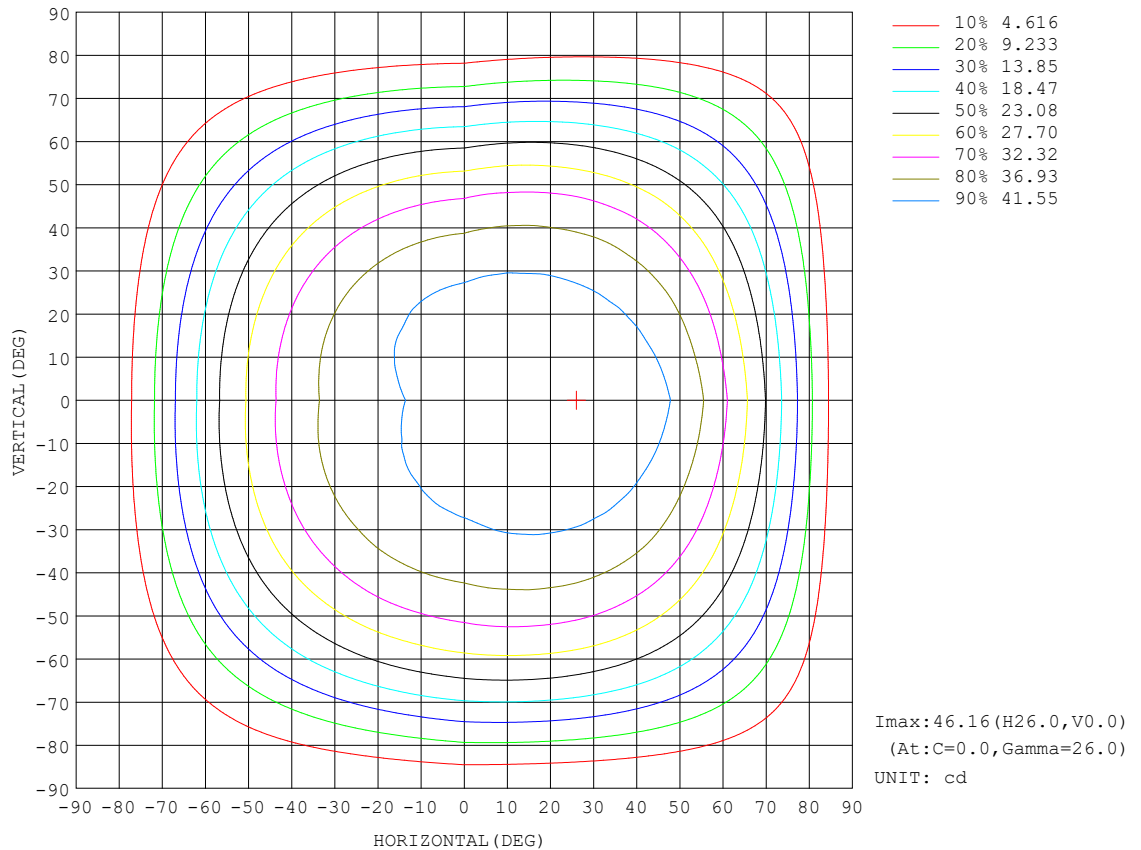
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 55 | 43 | 36 | 54 | 43 | 36 | 53 | 42 | 36 | 29 |
| 0.80 | 65 | 53 | 46 | 64 | 53 | 45 | 62 | 52 | 45 | 38 |
| 1.00 | 74 | 62 | 55 | 73 | 62 | 55 | 70 | 63 | 54 | 47 |
| 1.25 | 81 | 70 | 63 | 80 | 70 | 63 | 77 | 68 | 62 | 54 |
| 1.50 | 87 | 76 | 69 | 85 | 75 | 68 | 82 | 74 | 67 | 60 |
| 2.00 | 94 | 85 | 78 | 92 | 84 | 77 | 88 | 81 | 76 | 68 |
| 2.50 | 98 | 90 | 83 | 96 | 88 | 83 | 92 | 86 | 81 | 72 |
| 3.00 | 101 | 94 | 89 | 99 | 93 | 87 | 95 | 90 | 85 | 77 |
| 4.00 | 106 | 100 | 95 | 103 | 98 | 93 | 99 | 95 | 91 | 82 |
| 5.00 | 108 | 103 | 99 | 106 | 101 | 97 | 101 | 98 | 94 | 85 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2022-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.820m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|----------------------|----------------------|
| Test:U:24.002V I:0.1934A P:4.6420W PF:1.0000 Freq:60.00Hz Lamp Flux:150.059x1 lm | | |
| NAME: CB-RGBW | TYPE: LED Strip | WEIGHT: |
| SPEC.: 19W | DIM.: 1000*12*2 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle: 120 |

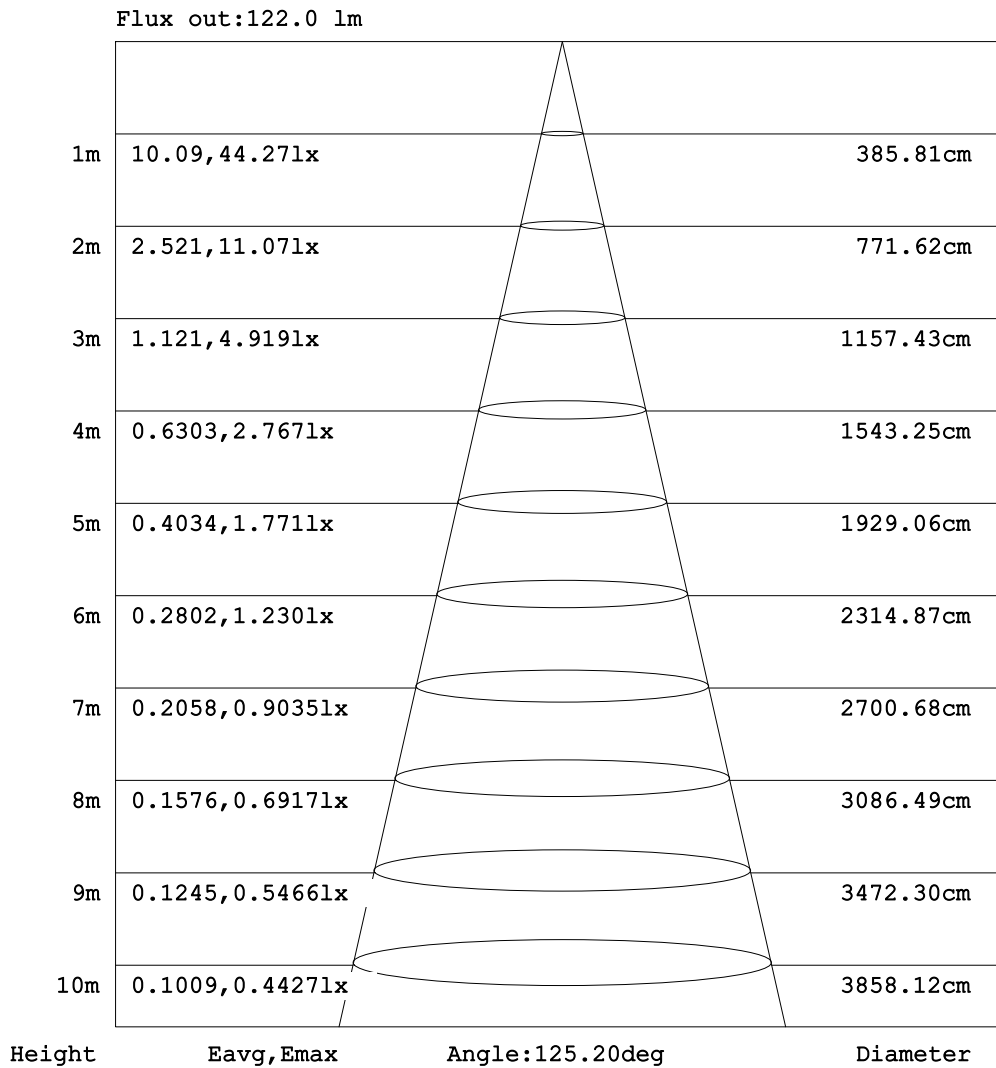


C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2022-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity: 65.0%
 Test Distance: 8.820m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|--|----------------------|----------------------|
| Test:U:24.002V I:0.1934A P:4.6420W PF:1.0000 Freq:60.00Hz Lamp Flux:150.059x1 lm | | |
| NAME: CB-RGBW | TYPE: LED Strip | WEIGHT: |
| SPEC.: 19W | DIM.: 1000*12*2 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle: 120 |



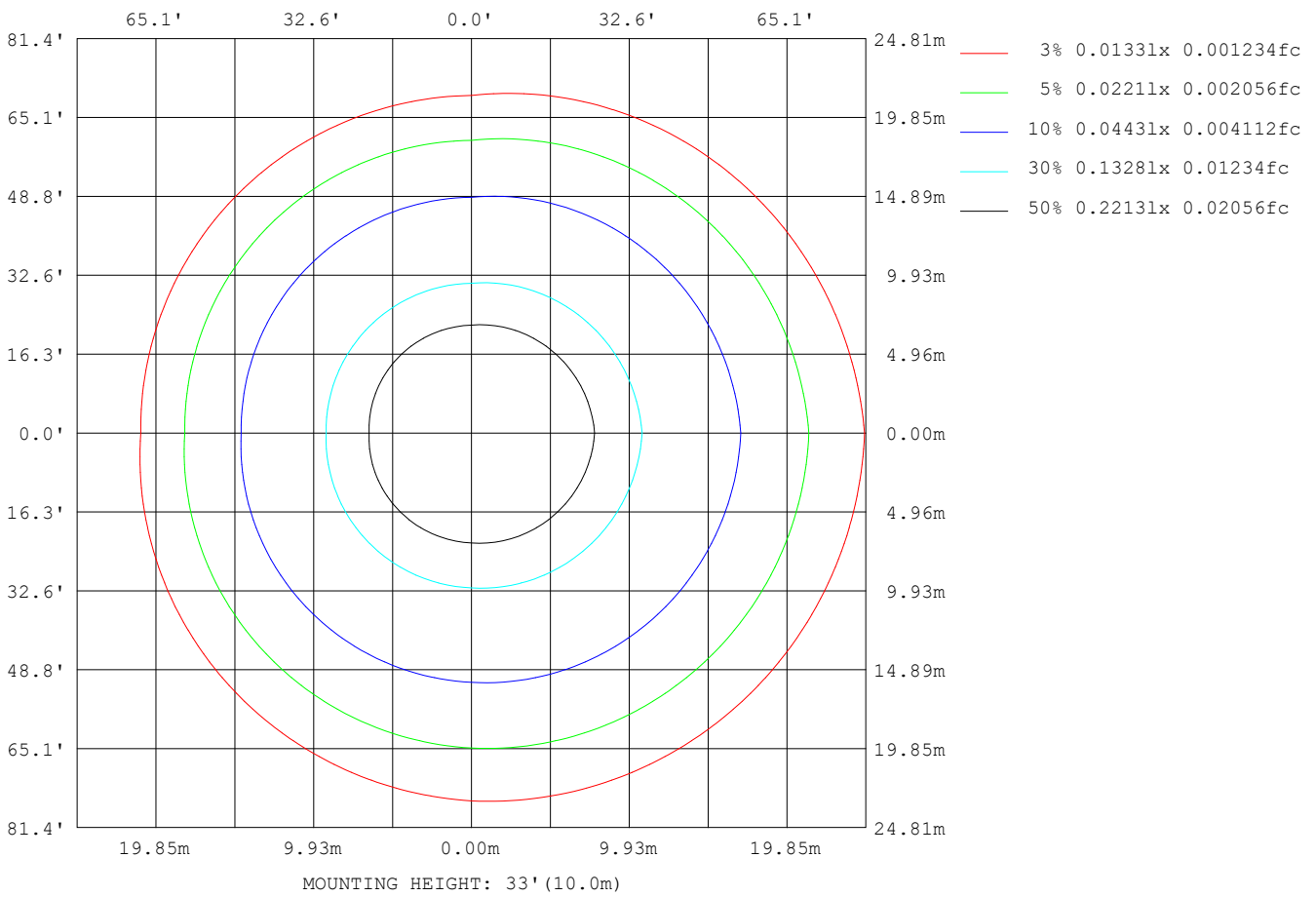
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2022-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity: 65.0%
 Test Distance: 8.820m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|--|----------------------|----------------------|
| Test:U:24.002V I:0.1934A P:4.6420W PF:1.0000 Freq:60.00Hz Lamp Flux:150.059x1 lm | | |
| NAME: CB-RGBW | TYPE: LED Strip | WEIGHT: |
| SPEC.: 19W | DIM.: 1000*12*2 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle: 120 |



C Range: 0 - 360DEG
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.820m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|--|---------------------|----------------------|
| Test:U:24.002V I:0.1934A P:4.6420W PF:1.0000 Freq:60.00Hz Lamp Flux:150.059x1 lm | | |
| NAME: CB-RGBW | TYPE: LED Strip | WEIGHT: |
| SPEC.: 19W | DIM.: 1000*12*2(MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle: 120 |

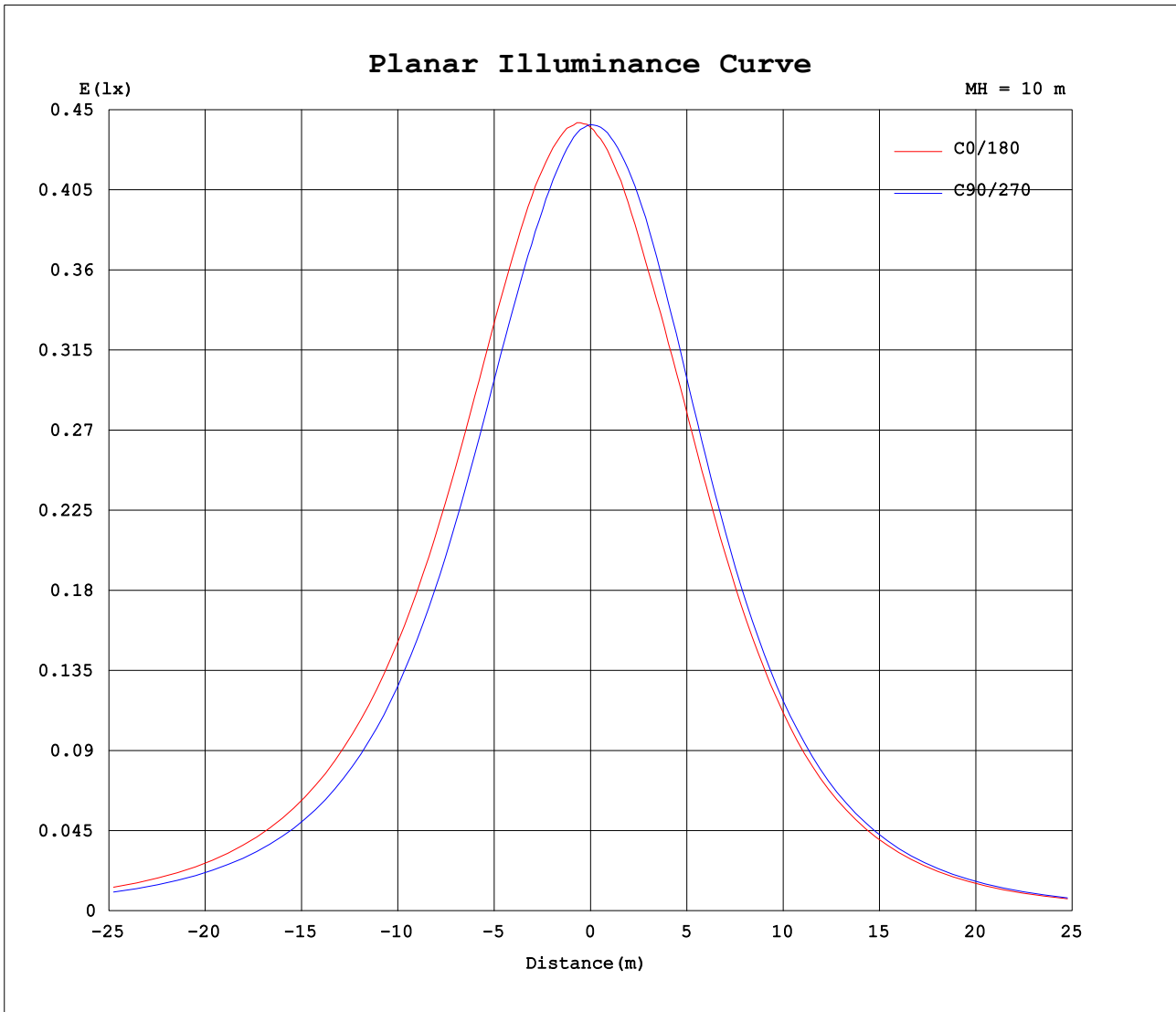
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 2604 |
| L_0~180 (75) av | 2226 |
| L_0~180 (85) av | 1195 |
| L_90~270 (65) av | 2344 |
| L_90~270 (75) av | 1988 |
| L_90~270 (85) av | 1219 |
| L_45 (65) av | 2395 |
| L_45 (75) av | 2015 |
| L_45 (85) av | 1197 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 90.0DEG
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.820m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2022-09-23

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity: 65.0%
 Test Distance: 8.820m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|---------------------|----------------------|
| Test:U:24.002V I:0.1934A P:4.6420W PF:1.0000 Freq:60.00Hz Lamp Flux:150.059x1 lm | | |
| NAME: CB-RGBW | TYPE: LED Strip | WEIGHT: |
| SPEC.: 19W | DIM.: 1000*12*2(MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle: 120 |

Table--1

UNIT: cd

| C (DEG) \ γ (DEG) | 0 | 90 | 180 | 270 | | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 44.0 | 44.2 | 44.0 | 44.2 | | | | | | | | | | | | | | | |
| 5 | 44.6 | 44.0 | 43.2 | 44.2 | | | | | | | | | | | | | | | |
| 10 | 45.2 | 43.5 | 42.3 | 44.1 | | | | | | | | | | | | | | | |
| 15 | 45.7 | 43.0 | 41.3 | 43.9 | | | | | | | | | | | | | | | |
| 20 | 46.0 | 42.5 | 40.5 | 43.2 | | | | | | | | | | | | | | | |
| 25 | 46.1 | 41.9 | 39.5 | 42.3 | | | | | | | | | | | | | | | |
| 30 | 45.9 | 40.9 | 38.1 | 40.7 | | | | | | | | | | | | | | | |
| 35 | 45.3 | 39.7 | 36.4 | 38.7 | | | | | | | | | | | | | | | |
| 40 | 44.2 | 37.9 | 34.2 | 36.3 | | | | | | | | | | | | | | | |
| 45 | 42.7 | 35.7 | 31.5 | 33.3 | | | | | | | | | | | | | | | |
| 50 | 40.5 | 33.2 | 28.1 | 30.0 | | | | | | | | | | | | | | | |
| 55 | 37.3 | 30.1 | 24.4 | 26.2 | | | | | | | | | | | | | | | |
| 60 | 33.2 | 26.6 | 20.3 | 21.7 | | | | | | | | | | | | | | | |
| 65 | 28.4 | 22.7 | 15.7 | 16.9 | | | | | | | | | | | | | | | |
| 70 | 22.9 | 18.2 | 10.9 | 11.9 | | | | | | | | | | | | | | | |
| 75 | 16.7 | 13.4 | 6.32 | 7.17 | | | | | | | | | | | | | | | |
| 80 | 10.1 | 8.60 | 2.64 | 3.17 | | | | | | | | | | | | | | | |
| 85 | 3.91 | 4.25 | 0.25 | 0.00 | | | | | | | | | | | | | | | |
| 90 | 0.00 | 1.16 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
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