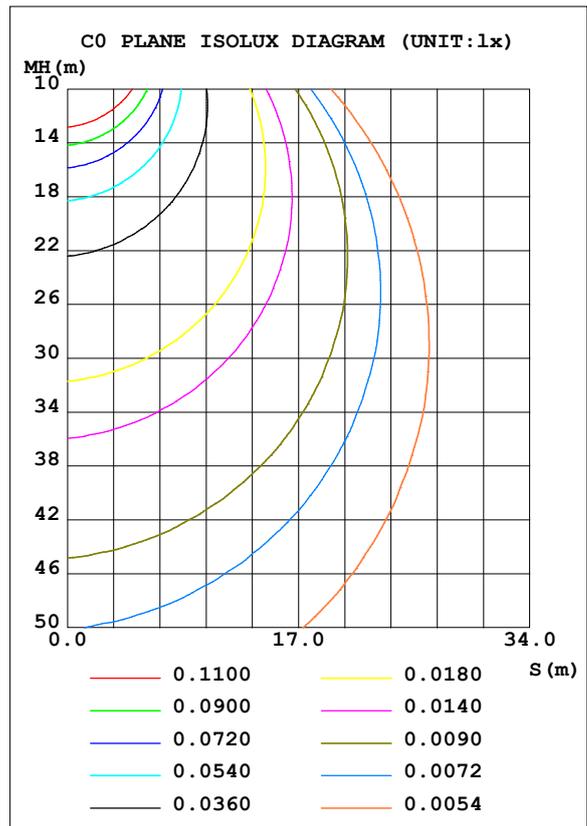
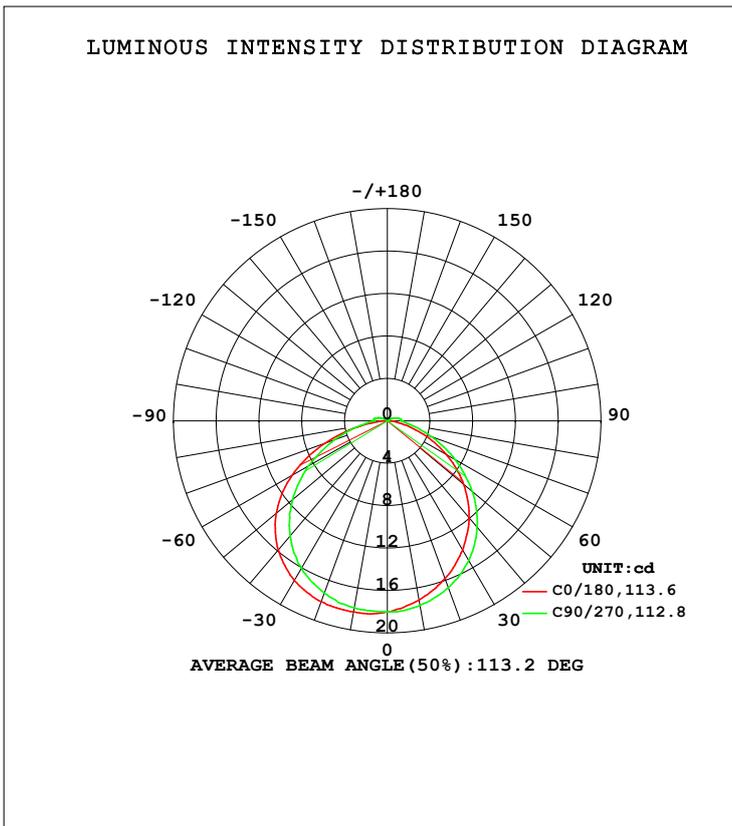


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---------------------|---------------------|
| Test:U:24.000V I:0.1900A P:4.5600W PF:1.0000 Freq:0Hz | | |
| Lamp Flux:55.4487x1 lm | | |
| NAME: CB-RGB300 | TYPE:LED Strip | WEIGHT: |
| SPEC.: 14.4W | DIM.: 1000*10*2(MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle:120 |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 12.16 lm/W | | | |
|-------------------|---------|----------------------------------|--------|---------------------|-----------|
| MODEL | | I _{max} (cd) | 18.46 | S/MH (C0/180) | 1.43 |
| NOMINAL POWER (W) | | LOR (%) | 100.0 | S/MH (C90/270) | 1.32 |
| RATED VOLTAGE (V) | 24V | TOTAL FLUX (lm) | 55.449 | η UP, DN (C0-180) | 1.7, 45.5 |
| NOMINAL FLUX (lm) | 55.4487 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 2.0, 50.8 |
| LAMPS INSIDE | 1 | η up (%) | 3.7 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE (V) | | η down (%) | 96.3 | CIBSE SHR MAX | 1.35 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2021-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 9.660m [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 | 17.16 | 17.19 | 17.66 | 18.13 | 18.29 | 18.22 | 17.87 | 17.46 | 0- 10 | 1.708 | 1.708 | 3.08,3.08 |
| 20 | 15.81 | 15.89 | 16.73 | 17.78 | 18.14 | 17.97 | 17.26 | 16.39 | 10- 20 | 4.930 | 6.638 | 12,12 |
| 30 | 14.08 | 14.14 | 15.23 | 16.73 | 17.40 | 17.16 | 16.06 | 14.82 | 20- 30 | 7.578 | 14.22 | 25.6,25.6 |
| 40 | 11.91 | 11.96 | 13.04 | 14.98 | 15.87 | 15.70 | 14.17 | 12.73 | 30- 40 | 9.280 | 23.50 | 42.4,42.4 |
| 50 | 9.316 | 9.331 | 10.37 | 12.42 | 13.56 | 13.21 | 11.57 | 10.14 | 40- 50 | 9.713 | 33.21 | 59.9,59.9 |
| 60 | 6.397 | 6.428 | 7.326 | 9.021 | 10.31 | 9.958 | 8.474 | 7.155 | 50- 60 | 8.700 | 41.91 | 75.6,75.6 |
| 70 | 3.389 | 3.737 | 4.425 | 5.411 | 6.253 | 6.209 | 5.253 | 4.155 | 60- 70 | 6.422 | 48.33 | 87.2,87.2 |
| 80 | 1.090 | 1.725 | 2.235 | 2.410 | 2.174 | 2.809 | 2.505 | 1.750 | 70- 80 | 3.589 | 51.92 | 93.6,93.6 |
| 90 | 0.0914 | 0.8469 | 1.353 | 1.189 | 0.0753 | 1.012 | 1.261 | 0.7464 | 80- 90 | 1.470 | 53.39 | 96.3,96.3 |
| 100 | 0.0605 | 0.6804 | 1.231 | 0.8691 | 0.0454 | 0.8158 | 1.261 | 0.6843 | 90-100 | 0.8326 | 54.22 | 97.8,97.8 |
| 110 | 0.0605 | 0.4089 | 0.8512 | 0.3971 | 0.0605 | 0.4226 | 0.9109 | 0.3348 | 100-110 | 0.5869 | 54.81 | 98.8,98.8 |
| 120 | 0.0605 | 0.1666 | 0.4558 | 0.0921 | 0.0605 | 0.0756 | 0.4558 | 0.1366 | 110-120 | 0.3124 | 55.12 | 99.4,99.4 |
| 130 | 0.0605 | 0.1208 | 0.1677 | 0.0762 | 0.0756 | 0.0756 | 0.2585 | 0.0914 | 120-130 | 0.1389 | 55.26 | 99.7,99.7 |
| 140 | 0.0605 | 0.0608 | 0.1067 | 0.0762 | 0.0756 | 0.0756 | 0.1064 | 0.0914 | 130-140 | 0.0701 | 55.33 | 99.8,99.8 |
| 150 | 0.0605 | 0.0454 | 0.1064 | 0.0762 | 0.0756 | 0.0756 | 0.1064 | 0.0914 | 140-150 | 0.0512 | 55.38 | 99.9,99.9 |
| 160 | 0.0605 | 0.0454 | 0.1064 | 0.0762 | 0.0756 | 0.0756 | 0.1064 | 0.1066 | 150-160 | 0.0377 | 55.42 | 99.9,99.9 |
| 170 | 0.0605 | 0.0454 | 0.1064 | 0.0762 | 0.0756 | 0.0756 | 0.1064 | 0.1066 | 160-170 | 0.0232 | 55.44 | 100,100 |
| 180 | 0.0605 | 0.0454 | 0.0152 | 0.0762 | 0.0756 | 0.0756 | 0.1064 | 0.1066 | 170-180 | 0.0073 | 55.45 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 28.387 lm

%lum = 51.2%

%lamp = 51.2%

Conical surface Flux(120deg): 41.909 lm

%lum = 75.6%

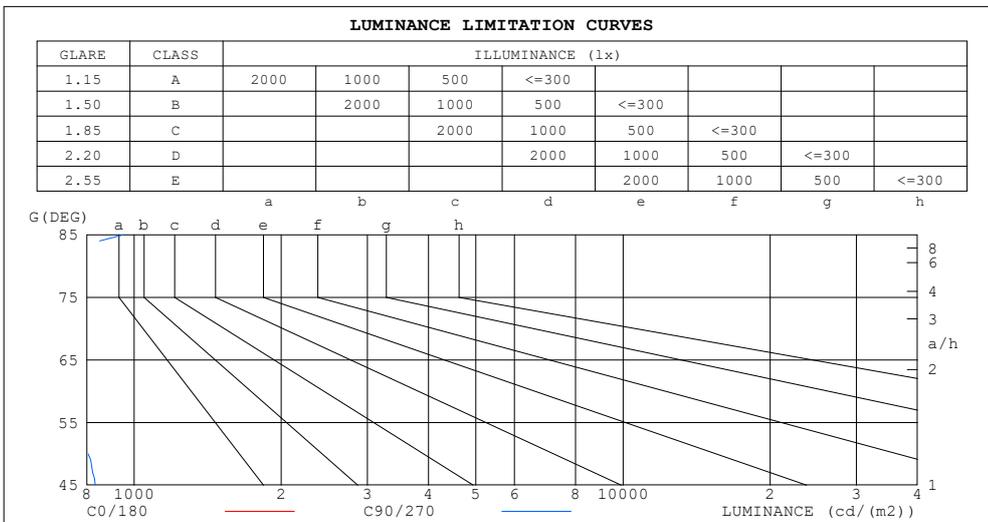
%lamp = 75.6%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2021-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:9.660m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|----------------------|---------------------|
| Test:U:24.000V I:0.1900A P:4.5600W PF:1.0000 Freq:0Hz | | |
| Lamp Flux:55.4487x1 lm | | |
| NAME: CB-RGB300 | TYPE:LED Strip | WEIGHT: |
| SPEC.: 14.4W | DIM.: 1000*10*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 | 271 | 950 |
| 80 | 315 | 643 |
| 75 | 402 | 616 |
| 70 | 498 | 646 |
| 65 | 582 | 694 |
| 60 | 643 | 732 |
| 55 | 691 | 772 |
| 50 | 728 | 806 |
| 45 | 758 | 833 |

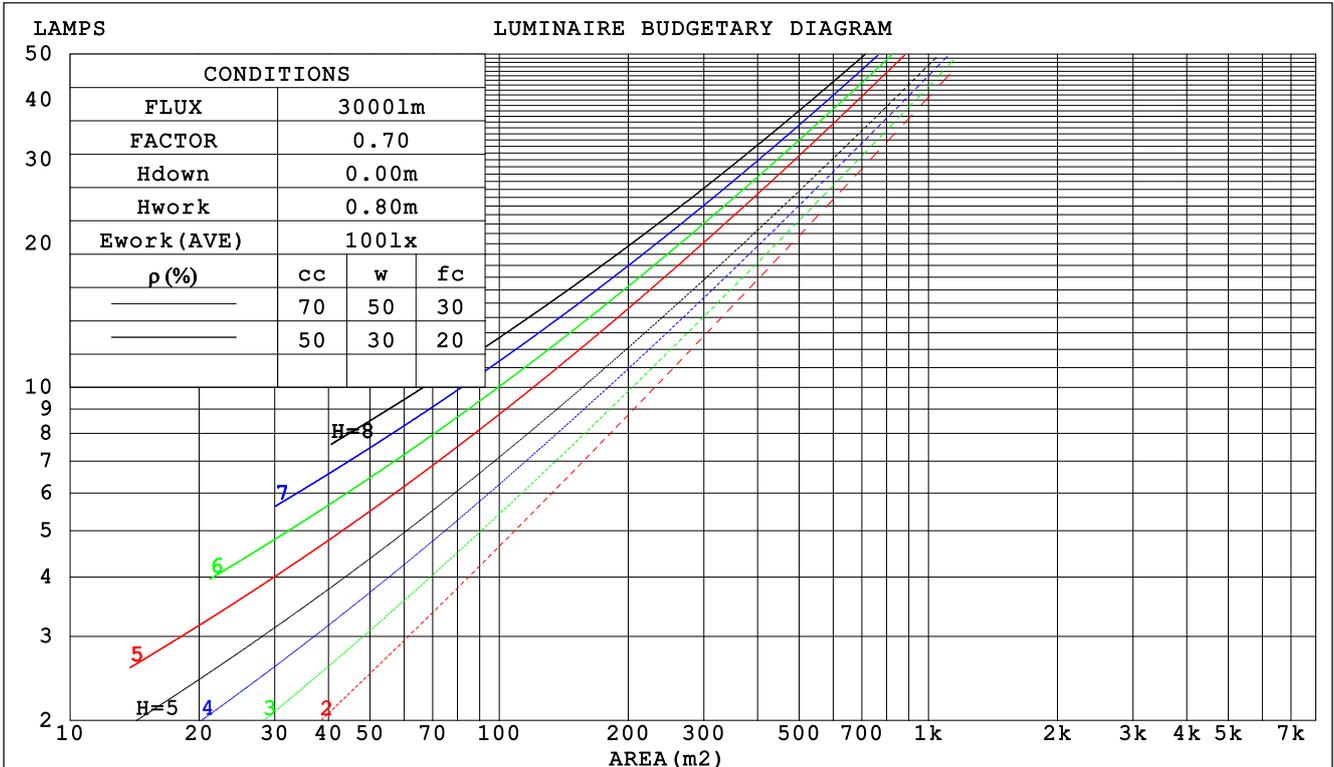
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2021-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:9.660m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---------------------|---------------------|
| Test:U:24.000V I:0.1900A P:4.5600W PF:1.0000 Freq:0Hz | | |
| Lamp Flux:55.4487x1 lm | | |
| NAME: CB-RGB300 | TYPE:LED Strip | WEIGHT: |
| SPEC.: 14.4W | DIM.: 1000*10*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 | | | | | | 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 | 1.03 | .98 | .94 | 1.00 | .96 | .92 | .95 | .92 | .89 | .91 | .88 | .85 | .86 | .84 | .82 | .80 |
| 2.0 | .89 | .83 | .77 | .87 | .81 | .75 | .83 | .78 | .73 | .79 | .75 | .71 | .76 | .72 | .69 | .66 |
| 3.0 | .78 | .70 | .64 | .77 | .69 | .63 | .73 | .67 | .61 | .70 | .64 | .60 | .67 | .62 | .58 | .56 |
| 4.0 | .69 | .61 | .54 | .68 | .60 | .53 | .65 | .58 | .52 | .62 | .56 | .51 | .59 | .54 | .50 | .48 |
| 5.0 | .62 | .53 | .46 | .61 | .52 | .46 | .58 | .51 | .45 | .56 | .49 | .44 | .53 | .48 | .43 | .41 |
| 6.0 | .56 | .47 | .40 | .55 | .46 | .40 | .52 | .45 | .39 | .50 | .44 | .39 | .48 | .43 | .38 | .36 |
| 7.0 | .50 | .42 | .35 | .49 | .41 | .35 | .48 | .40 | .35 | .46 | .39 | .34 | .44 | .38 | .34 | .32 |
| 8.0 | .46 | .37 | .32 | .45 | .37 | .31 | .43 | .36 | .31 | .42 | .35 | .31 | .40 | .35 | .30 | .28 |
| 9.0 | .42 | .34 | .28 | .41 | .34 | .28 | .40 | .33 | .28 | .39 | .32 | .27 | .37 | .31 | .27 | .25 |
| 10.0 | .39 | .31 | .26 | .38 | .31 | .25 | .37 | .30 | .25 | .36 | .29 | .25 | .35 | .29 | .25 | .23 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2021-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:9.660m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|---|---------------------|---------------------|
| Test:U:24.000V I:0.1900A P:4.5600W PF:1.0000 Freq:0Hz | | |
| Lamp Flux:55.4487x1 lm | | |
| NAME: CB-RGB300 | TYPE:LED Strip | WEIGHT: |
| SPEC.: 14.4W | DIM.: 1000*10*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 | .315 | .179 | .057 | .307 | .175 | .056 | .292 | .167 | .053 | .277 | .160 | .051 | .264 | .153 | .049 | |
| 2.0 | .293 | .161 | .049 | .286 | .157 | .048 | .272 | .151 | .047 | .260 | .146 | .046 | .248 | .140 | .044 | |
| 3.0 | .270 | .144 | .043 | .264 | .141 | .043 | .252 | .136 | .041 | .240 | .132 | .040 | .230 | .127 | .039 | |
| 4.0 | .249 | .129 | .038 | .243 | .127 | .038 | .232 | .123 | .037 | .222 | .119 | .036 | .213 | .116 | .035 | |
| 5.0 | .230 | .117 | .034 | .225 | .115 | .034 | .215 | .112 | .033 | .206 | .109 | .032 | .198 | .106 | .032 | |
| 6.0 | .213 | .107 | .031 | .209 | .105 | .030 | .200 | .102 | .030 | .192 | .100 | .029 | .184 | .097 | .029 | |
| 7.0 | .198 | .098 | .028 | .194 | .097 | .028 | .186 | .094 | .027 | .179 | .092 | .027 | .172 | .089 | .026 | |
| 8.0 | .185 | .091 | .025 | .182 | .089 | .025 | .174 | .087 | .025 | .168 | .085 | .025 | .161 | .083 | .024 | |
| 9.0 | .174 | .084 | .023 | .170 | .083 | .023 | .164 | .081 | .023 | .158 | .079 | .023 | .152 | .077 | .022 | |
| 10.0 | .163 | .078 | .022 | .160 | .077 | .022 | .154 | .076 | .021 | .149 | .074 | .021 | .144 | .072 | .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 | .219 | .219 | .219 | .187 | .187 | .187 | .128 | .128 | .128 | .073 | .073 | .073 | .023 | .023 | .023 | |
| 1.0 | .209 | .185 | .162 | .179 | .158 | .140 | .122 | .109 | .097 | .070 | .063 | .056 | .023 | .020 | .018 | |
| 2.0 | .201 | .161 | .127 | .172 | .138 | .109 | .118 | .096 | .076 | .068 | .056 | .045 | .022 | .018 | .015 | |
| 3.0 | .193 | .143 | .103 | .166 | .124 | .089 | .114 | .086 | .063 | .066 | .050 | .037 | .021 | .016 | .012 | |
| 4.0 | .186 | .130 | .087 | .159 | .112 | .076 | .110 | .078 | .053 | .063 | .046 | .032 | .020 | .015 | .010 | |
| 5.0 | .178 | .120 | .076 | .153 | .104 | .066 | .106 | .072 | .047 | .061 | .042 | .028 | .020 | .014 | .009 | |
| 6.0 | .171 | .111 | .068 | .147 | .096 | .060 | .102 | .068 | .042 | .059 | .040 | .025 | .019 | .013 | .008 | |
| 7.0 | .165 | .105 | .063 | .142 | .091 | .054 | .098 | .064 | .039 | .057 | .037 | .023 | .018 | .012 | .008 | |
| 8.0 | .158 | .099 | .058 | .136 | .086 | .051 | .094 | .060 | .036 | .055 | .036 | .021 | .018 | .012 | .007 | |
| 9.0 | .152 | .094 | .055 | .131 | .082 | .048 | .091 | .057 | .034 | .053 | .034 | .020 | .017 | .011 | .007 | |
| 10.0 | .146 | .090 | .052 | .126 | .078 | .045 | .088 | .055 | .032 | .051 | .032 | .019 | .017 | .011 | .006 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2021-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:9.660m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | |
|---|---------------------|---------------------|
| Test:U:24.000V I:0.1900A P:4.5600W PF:1.0000 Freq:0Hz | | |
| Lamp Flux:55.4487x1 lm | | |
| NAME: CB-RGB300 | TYPE:LED Strip | WEIGHT: |
| SPEC.: 14.4W | DIM.: 1000*10*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 | 20.6 | 22.0 | 20.9 | 22.3 | 22.6 | 21.1 | 22.5 | 21.4 | 22.8 | 23.1 |
| 3H | 21.7 | 23.1 | 22.1 | 23.4 | 23.7 | 22.5 | 23.8 | 22.8 | 24.1 | 24.4 |
| 4H | 22.1 | 23.4 | 22.4 | 23.7 | 24.0 | 23.1 | 24.3 | 23.4 | 24.7 | 25.0 |
| 6H | 22.3 | 23.5 | 22.6 | 23.8 | 24.2 | 23.6 | 24.8 | 24.0 | 25.1 | 25.5 |
| 8H | 22.3 | 23.5 | 22.7 | 23.8 | 24.2 | 23.9 | 25.0 | 24.3 | 25.4 | 25.7 |
| 12H | 22.3 | 23.4 | 22.7 | 23.8 | 24.2 | 24.2 | 25.3 | 24.6 | 25.7 | 26.1 |
| 4H 2H | 21.1 | 22.4 | 21.5 | 22.7 | 23.0 | 21.5 | 22.8 | 21.9 | 23.1 | 23.4 |
| 3H | 22.4 | 23.5 | 22.8 | 23.9 | 24.3 | 23.1 | 24.2 | 23.5 | 24.5 | 24.9 |
| 4H | 22.9 | 23.9 | 23.3 | 24.3 | 24.7 | 23.8 | 24.8 | 24.2 | 25.2 | 25.6 |
| 6H | 23.2 | 24.1 | 23.6 | 24.5 | 24.9 | 24.4 | 25.3 | 24.9 | 25.8 | 26.2 |
| 8H | 23.2 | 24.1 | 23.7 | 24.5 | 25.0 | 24.8 | 25.6 | 25.3 | 26.1 | 26.5 |
| 12H | 23.3 | 24.1 | 23.8 | 24.5 | 25.0 | 25.2 | 26.0 | 25.7 | 26.5 | 26.9 |
| 8H 4H | 23.1 | 24.0 | 23.6 | 24.4 | 24.9 | 23.9 | 24.8 | 24.4 | 25.2 | 25.7 |
| 6H | 23.6 | 24.3 | 24.1 | 24.7 | 25.2 | 24.8 | 25.5 | 25.3 | 25.9 | 26.5 |
| 8H | 23.7 | 24.3 | 24.2 | 24.8 | 25.4 | 25.3 | 25.9 | 25.8 | 26.4 | 26.9 |
| 12H | 23.8 | 24.4 | 24.4 | 24.9 | 25.5 | 25.8 | 26.4 | 26.4 | 26.9 | 27.5 |
| 12H 4H | 23.1 | 23.9 | 23.6 | 24.4 | 24.9 | 23.9 | 24.7 | 24.4 | 25.2 | 25.6 |
| 6H | 23.7 | 24.3 | 24.2 | 24.8 | 25.3 | 24.8 | 25.4 | 25.3 | 25.9 | 26.5 |
| 8H | 23.9 | 24.4 | 24.4 | 24.9 | 25.5 | 25.4 | 25.9 | 25.9 | 26.4 | 27.0 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.2 | | | | |
| 2.0H | + 0.3 / - 0.3 | | | | | + 0.3 / - 0.4 | | | | |

CIE Pub.117, 55.45 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -10.0)
 Area: 0.02 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2021-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:9.660m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|---------------------|---------------------|
| Test:U:24.000V I:0.1900A P:4.5600W PF:1.0000 Freq:0Hz Lamp Flux:55.4487x1 lm | | |
| NAME: CB-RGB300 | TYPE:LED Strip | WEIGHT: |
| SPEC.: 14.4W | DIM.: 1000*10*2(MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle:120 |

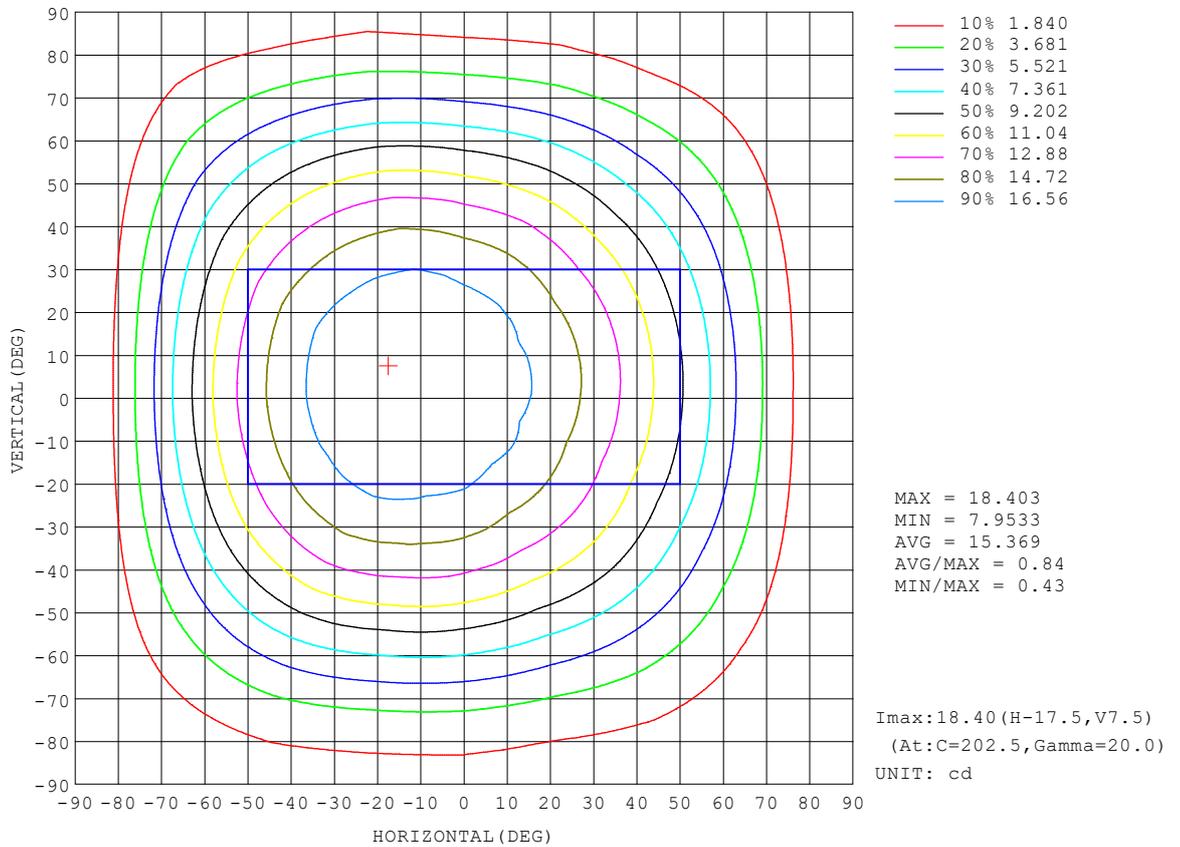
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 56 | 44 | 37 | 55 | 44 | 37 | 54 | 43 | 37 | 30 |
| 0.80 | 66 | 54 | 47 | 65 | 54 | 46 | 63 | 53 | 46 | 39 |
| 1.00 | 74 | 63 | 56 | 73 | 62 | 55 | 71 | 64 | 55 | 47 |
| 1.25 | 81 | 71 | 63 | 80 | 70 | 63 | 77 | 68 | 62 | 54 |
| 1.50 | 86 | 76 | 69 | 85 | 75 | 68 | 81 | 73 | 67 | 59 |
| 2.00 | 93 | 84 | 78 | 91 | 83 | 77 | 87 | 81 | 75 | 67 |
| 2.50 | 97 | 89 | 83 | 95 | 88 | 82 | 91 | 85 | 80 | 71 |
| 3.00 | 101 | 93 | 88 | 98 | 92 | 86 | 94 | 88 | 84 | 75 |
| 4.00 | 105 | 99 | 94 | 102 | 97 | 92 | 97 | 93 | 89 | 79 |
| 5.00 | 107 | 102 | 98 | 104 | 100 | 96 | 99 | 96 | 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:25.3DEG
 Test Date:2021-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:9.660m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|---------------------|---------------------|
| Test:U:24.000V I:0.1900A P:4.5600W PF:1.0000 Freq:0Hz | | |
| Lamp Flux:55.4487x1 lm | | |
| NAME: CB-RGB300 | TYPE:LED Strip | WEIGHT: |
| SPEC.: 14.4W | DIM.: 1000*10*2(MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle:120 |

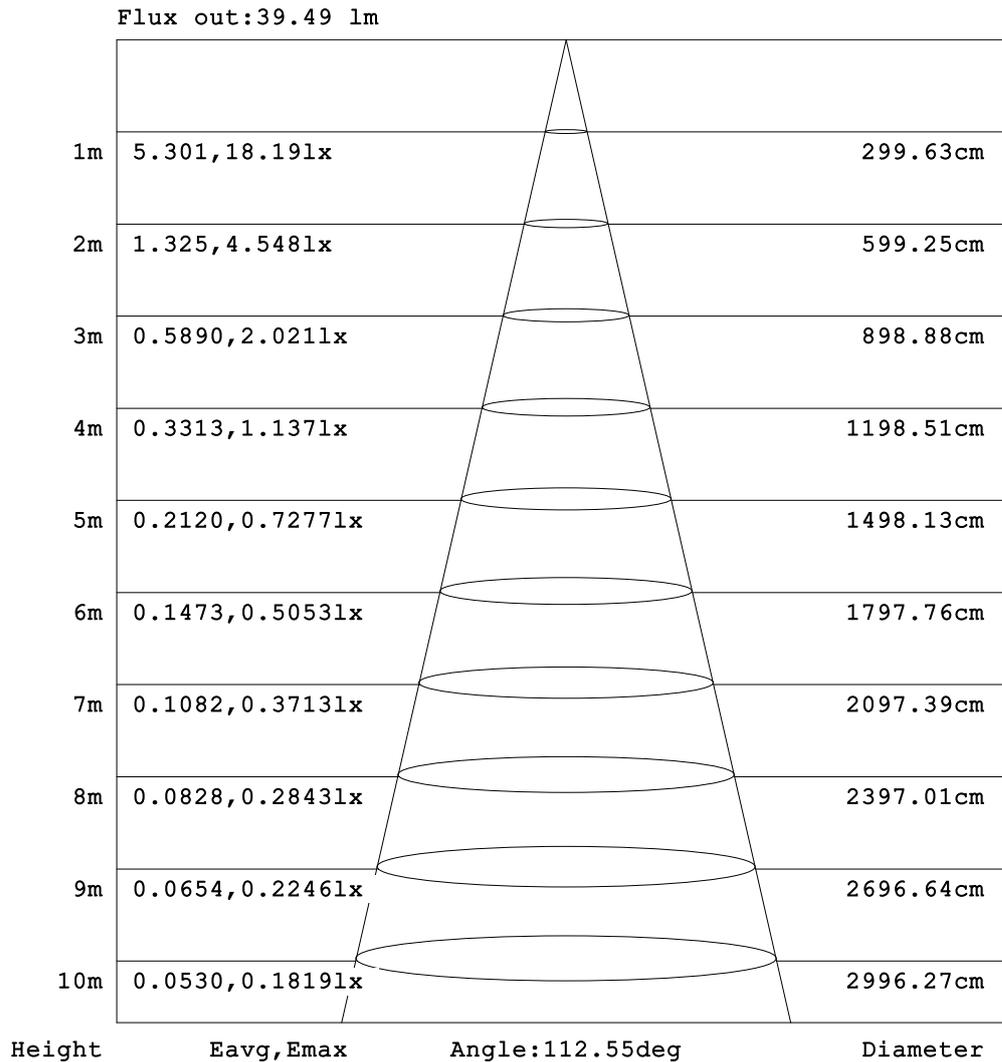


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2021-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:9.660m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|---|---------------------|---------------------|
| Test:U:24.000V I:0.1900A P:4.5600W PF:1.0000 Freq:0Hz | | |
| Lamp Flux:55.4487x1 lm | | |
| NAME: CB-RGB300 | TYPE:LED Strip | WEIGHT: |
| SPEC.: 14.4W | DIM.: 1000*10*2(MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle:120 |



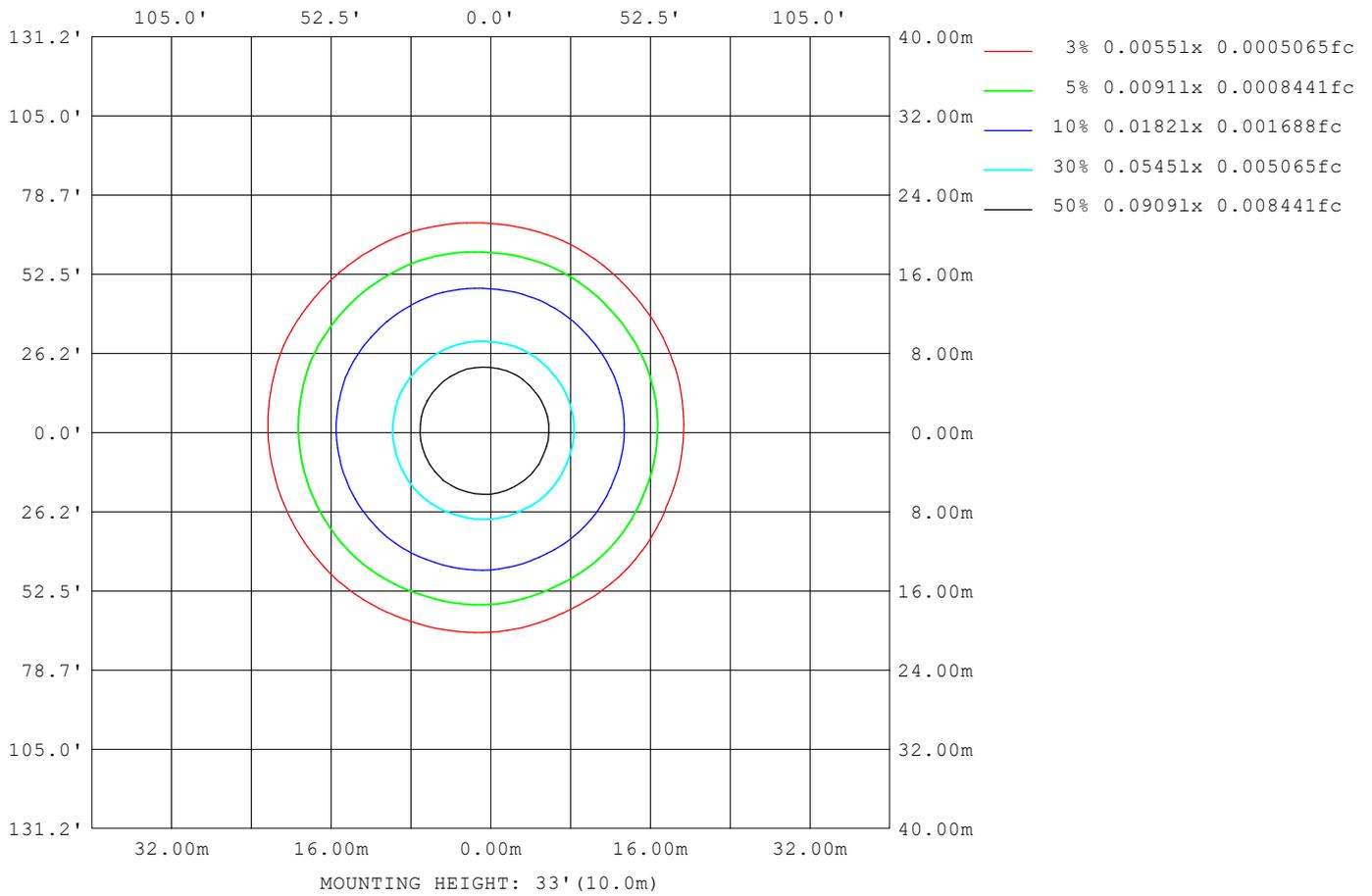
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2021-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:9.660m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|---|---------------------|---------------------|
| Test:U:24.000V I:0.1900A P:4.5600W PF:1.0000 Freq:0Hz | | |
| Lamp Flux:55.4487x1 lm | | |
| NAME: CB-RGB300 | TYPE:LED Strip | WEIGHT: |
| SPEC.: 14.4W | DIM.: 1000*10*2(MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle:120 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2021-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:9.660m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|---|---------------------|---------------------|
| Test:U:24.000V I:0.1900A P:4.5600W PF:1.0000 Freq:0Hz Lamp Flux:55.4487x1 lm | | |
| NAME: CB-RGB300 | TYPE:LED Strip | WEIGHT: |
| SPEC.: 14.4W | DIM.: 1000*10*2(MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.02*1 | Shielding Angle:120 |

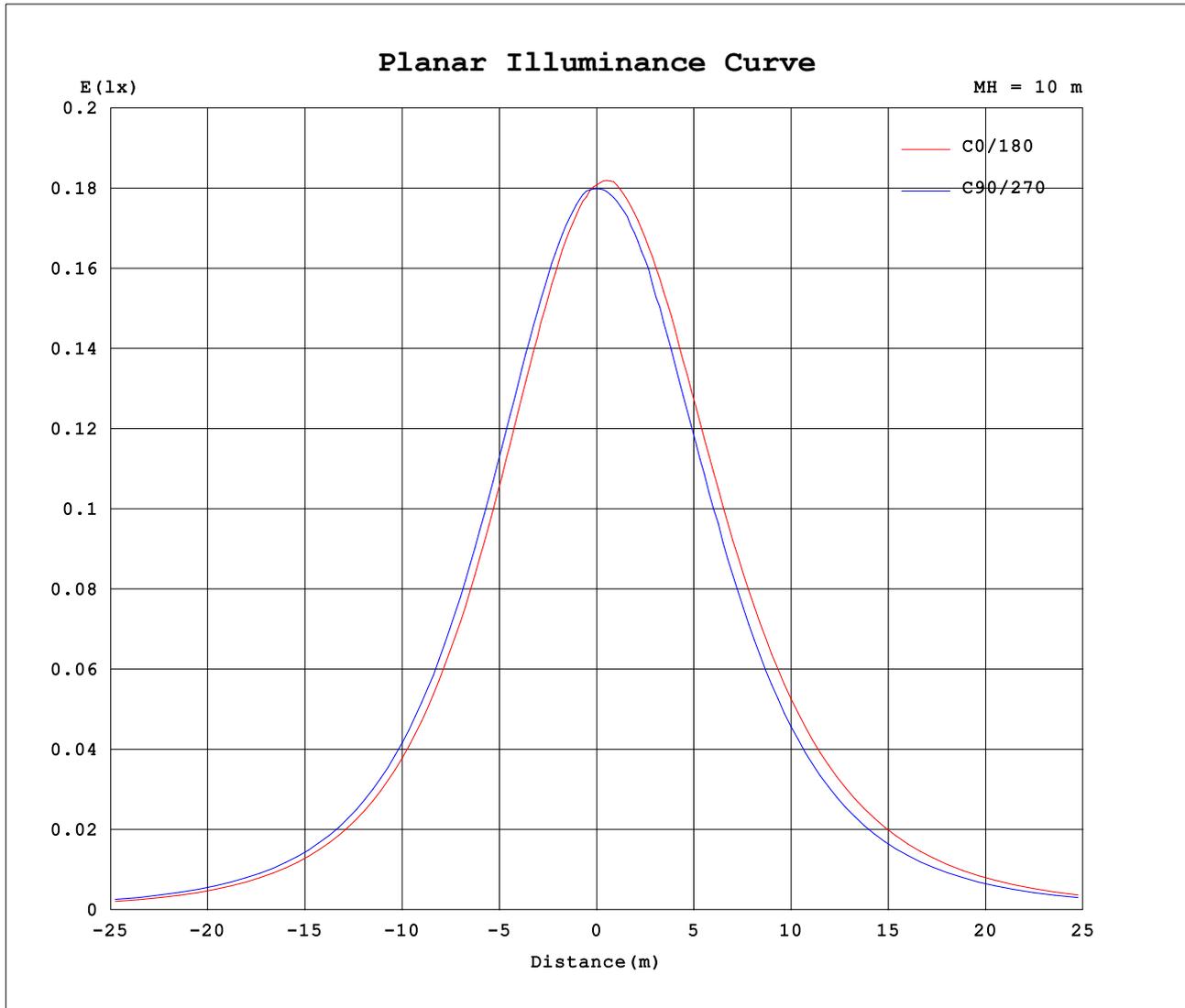
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 782 |
| L_0~180 (75) av | 599 |
| L_0~180 (85) av | 364 |
| L_90~270 (65) av | 750 |
| L_90~270 (75) av | 675 |
| L_90~270 (85) av | 959 |
| L_45 (65) av | 767 |
| L_45 (75) av | 658 |
| L_45 (85) av | 783 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2021-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:9.660m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2021-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 9.660m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---------------------|---------------------|
| Test:U:24.000V I:0.1900A P:4.5600W PF:1.0000 Freq:0Hz | | |
| Lamp Flux:55.4487x1 lm | | |
| NAME: CB-RGB300 | TYPE:LED Strip | WEIGHT: |
| SPEC.: 14.4W | DIM.: 1000*10*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 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | | | |
|-------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | | | |
| 5 | 17.6 | 17.6 | 17.6 | 17.8 | 17.9 | 18.0 | 18.1 | 18.2 | 18.3 | 18.3 | 18.2 | 18.2 | 18.0 | 18.0 | 17.8 | 17.7 | | | |
| 10 | 17.2 | 17.1 | 17.2 | 17.3 | 17.7 | 17.8 | 18.1 | 18.2 | 18.3 | 18.4 | 18.2 | 18.2 | 17.9 | 17.8 | 17.5 | 17.3 | | | |
| 15 | 16.5 | 16.5 | 16.6 | 16.8 | 17.2 | 17.5 | 18.1 | 18.2 | 18.3 | 18.5 | 18.2 | 18.2 | 17.7 | 17.4 | 17.0 | 16.7 | | | |
| 20 | 15.8 | 15.8 | 15.9 | 16.2 | 16.7 | 17.1 | 17.8 | 17.9 | 18.1 | 18.5 | 18.0 | 17.9 | 17.3 | 16.9 | 16.4 | 16.1 | | | |
| 25 | 15.0 | 14.9 | 15.1 | 15.4 | 16.0 | 16.5 | 17.4 | 17.6 | 17.9 | 18.1 | 17.7 | 17.5 | 16.7 | 16.3 | 15.6 | 15.3 | | | |
| 30 | 14.1 | 13.9 | 14.1 | 14.5 | 15.2 | 15.8 | 16.7 | 17.0 | 17.4 | 17.7 | 17.2 | 16.9 | 16.1 | 15.5 | 14.8 | 14.4 | | | |
| 35 | 13.0 | 12.9 | 13.1 | 13.5 | 14.2 | 14.9 | 16.0 | 16.4 | 16.7 | 17.0 | 16.5 | 16.2 | 15.2 | 14.6 | 13.9 | 13.4 | | | |
| 40 | 11.9 | 11.7 | 12.0 | 12.4 | 13.0 | 13.9 | 15.0 | 15.4 | 15.9 | 16.2 | 15.7 | 15.2 | 14.2 | 13.5 | 12.7 | 12.3 | | | |
| 45 | 10.7 | 10.5 | 10.7 | 11.0 | 11.8 | 12.6 | 13.8 | 14.4 | 14.8 | 15.1 | 14.5 | 14.0 | 12.9 | 12.3 | 11.5 | 11.0 | | | |
| 50 | 9.32 | 9.11 | 9.33 | 9.62 | 10.4 | 11.2 | 12.4 | 13.0 | 13.6 | 13.8 | 13.2 | 12.6 | 11.6 | 10.9 | 10.1 | 9.69 | | | |
| 55 | 7.89 | 7.71 | 7.88 | 8.12 | 8.86 | 9.59 | 10.8 | 11.5 | 12.1 | 12.3 | 11.7 | 11.1 | 10.0 | 9.42 | 8.68 | 8.26 | | | |
| 60 | 6.40 | 6.21 | 6.43 | 6.66 | 7.33 | 7.95 | 9.02 | 9.74 | 10.3 | 10.6 | 9.96 | 9.42 | 8.47 | 7.85 | 7.16 | 6.75 | | | |
| 65 | 4.90 | 4.80 | 5.05 | 5.24 | 5.87 | 6.35 | 7.21 | 7.76 | 8.33 | 8.63 | 8.10 | 7.67 | 6.80 | 6.28 | 5.59 | 5.22 | | | |
| 70 | 3.39 | 3.39 | 3.74 | 3.92 | 4.42 | 4.83 | 5.41 | 5.73 | 6.25 | 6.61 | 6.21 | 5.93 | 5.25 | 4.79 | 4.16 | 3.78 | | | |
| 75 | 2.07 | 2.21 | 2.62 | 2.76 | 3.19 | 3.39 | 3.78 | 3.84 | 4.12 | 4.57 | 4.41 | 4.32 | 3.80 | 3.44 | 2.82 | 2.45 | | | |
| 80 | 1.09 | 1.25 | 1.72 | 1.92 | 2.24 | 2.27 | 2.41 | 2.24 | 2.17 | 2.76 | 2.81 | 2.93 | 2.51 | 2.31 | 1.75 | 1.42 | | | |
| 85 | 0.47 | 0.67 | 1.13 | 1.30 | 1.66 | 1.66 | 1.59 | 1.16 | 0.80 | 1.45 | 1.65 | 1.95 | 1.69 | 1.58 | 1.10 | 0.77 | | | |
| 90 | 0.09 | 0.32 | 0.85 | 1.04 | 1.35 | 1.28 | 1.19 | 0.51 | 0.08 | 0.72 | 1.01 | 1.39 | 1.26 | 1.14 | 0.75 | 0.42 | | | |
| 95 | 0.06 | 0.24 | 0.80 | 0.98 | 1.26 | 1.22 | 1.08 | 0.39 | 0.05 | 0.49 | 0.95 | 1.25 | 1.26 | 1.08 | 0.75 | 0.33 | | | |
| 100 | 0.06 | 0.24 | 0.68 | 0.93 | 1.23 | 1.15 | 0.87 | 0.26 | 0.05 | 0.40 | 0.82 | 1.28 | 1.26 | 1.09 | 0.68 | 0.27 | | | |
| 105 | 0.06 | 0.06 | 0.57 | 0.76 | 0.99 | 0.81 | 0.64 | 0.06 | 0.06 | 0.24 | 0.71 | 1.10 | 1.03 | 0.97 | 0.47 | 0.20 | | | |
| 110 | 0.06 | 0.06 | 0.41 | 0.61 | 0.85 | 0.67 | 0.40 | 0.06 | 0.06 | 0.12 | 0.42 | 0.93 | 0.91 | 0.82 | 0.33 | 0.09 | | | |
| 115 | 0.06 | 0.06 | 0.30 | 0.43 | 0.67 | 0.41 | 0.23 | 0.06 | 0.06 | 0.08 | 0.27 | 0.69 | 0.73 | 0.62 | 0.29 | 0.09 | | | |
| 120 | 0.06 | 0.06 | 0.17 | 0.26 | 0.46 | 0.27 | 0.09 | 0.06 | 0.06 | 0.06 | 0.08 | 0.53 | 0.46 | 0.52 | 0.14 | 0.09 | | | |
| 125 | 0.06 | 0.06 | 0.15 | 0.15 | 0.30 | 0.21 | 0.08 | 0.06 | 0.08 | 0.06 | 0.08 | 0.32 | 0.32 | 0.33 | 0.09 | 0.09 | | | |
| 130 | 0.06 | 0.06 | 0.12 | 0.06 | 0.17 | 0.08 | 0.08 | 0.06 | 0.08 | 0.06 | 0.08 | 0.18 | 0.26 | 0.23 | 0.09 | 0.09 | | | |
| 135 | 0.06 | 0.06 | 0.09 | 0.05 | 0.15 | 0.09 | 0.08 | 0.06 | 0.08 | 0.06 | 0.08 | 0.11 | 0.11 | 0.14 | 0.09 | 0.09 | | | |
| 140 | 0.06 | 0.06 | 0.06 | 0.03 | 0.11 | 0.09 | 0.08 | 0.06 | 0.08 | 0.06 | 0.08 | 0.11 | 0.11 | 0.11 | 0.09 | 0.09 | | | |
| 145 | 0.06 | 0.06 | 0.05 | 0.09 | 0.11 | 0.09 | 0.08 | 0.06 | 0.08 | 0.06 | 0.08 | 0.11 | 0.11 | 0.11 | 0.09 | 0.09 | | | |
| 150 | 0.06 | 0.06 | 0.05 | 0.09 | 0.11 | 0.09 | 0.08 | 0.06 | 0.08 | 0.06 | 0.08 | 0.11 | 0.11 | 0.11 | 0.09 | 0.09 | | | |
| 155 | 0.06 | 0.06 | 0.05 | 0.06 | 0.11 | 0.09 | 0.08 | 0.06 | 0.08 | 0.06 | 0.08 | 0.11 | 0.11 | 0.11 | 0.11 | 0.09 | | | |
| 160 | 0.06 | 0.06 | 0.05 | 0.06 | 0.11 | 0.11 | 0.08 | 0.06 | 0.08 | 0.06 | 0.08 | 0.11 | 0.11 | 0.11 | 0.11 | 0.09 | | | |
| 165 | 0.06 | 0.06 | 0.05 | 0.06 | 0.11 | 0.11 | 0.08 | 0.06 | 0.08 | 0.06 | 0.08 | 0.11 | 0.11 | 0.11 | 0.11 | 0.09 | | | |
| 170 | 0.06 | 0.06 | 0.05 | 0.08 | 0.11 | 0.11 | 0.08 | 0.06 | 0.08 | 0.06 | 0.08 | 0.11 | 0.11 | 0.11 | 0.11 | 0.09 | | | |
| 175 | 0.06 | 0.06 | 0.05 | 0.08 | 0.11 | 0.11 | 0.08 | 0.06 | 0.08 | 0.06 | 0.08 | 0.11 | 0.11 | 0.11 | 0.11 | 0.00 | | | |
| 180 | 0.06 | 0.06 | 0.05 | 0.08 | 0.02 | 0.11 | 0.08 | 0.03 | 0.08 | 0.03 | 0.08 | 0.11 | 0.11 | 0.11 | 0.11 | 0.00 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
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 γ Interval: 1.0DEG
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