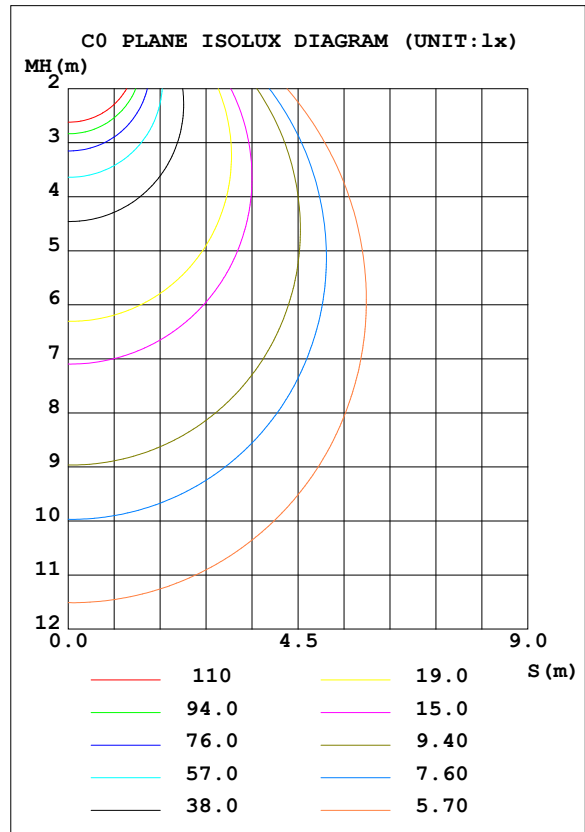
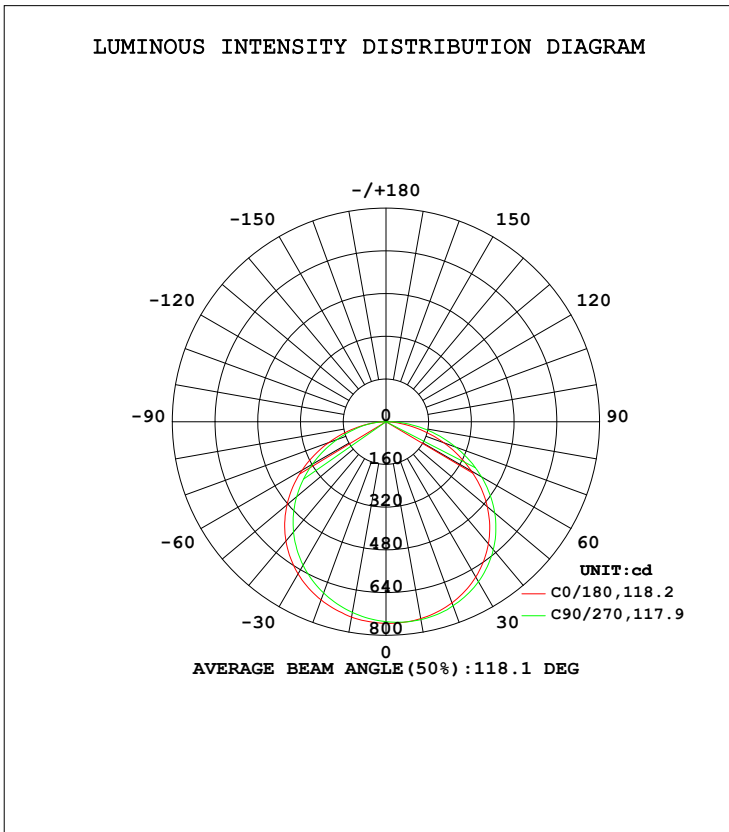


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|--------------------|----------------------|
| Test:U:24.001V I:2.4280A P:58.274W PF:1.0000 Freq:0Hz Lamp Flux:2326.52x1 lm | | |
| NAME: LST-RGB | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 60W | DIM.: 480*240 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.24*0.48 | Shielding Angle: 120 |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 39.92 lm/W | | | |
|-------------------|---------|----------------------------------|--------|---------------------|-----------|
| MODEL | | I _{max} (cd) | 755.5 | S/MH (C0/180) | 1.30 |
| NOMINAL POWER (W) | | LOR (%) | 100.0 | S/MH (C90/270) | 1.24 |
| RATED VOLTAGE (V) | | TOTAL FLUX (lm) | 2326.5 | η UP, DN (C0-180) | 0.3, 52.3 |
| NOMINAL FLUX (lm) | 2326.52 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.3, 47.2 |
| LAMPS INSIDE | 1 | η up (%) | 0.5 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE (V) | | η down (%) | 99.5 | CIBSE SHR MAX | 1.50 |



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2024-07-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
ZONAL FLUX DIAGRAM:

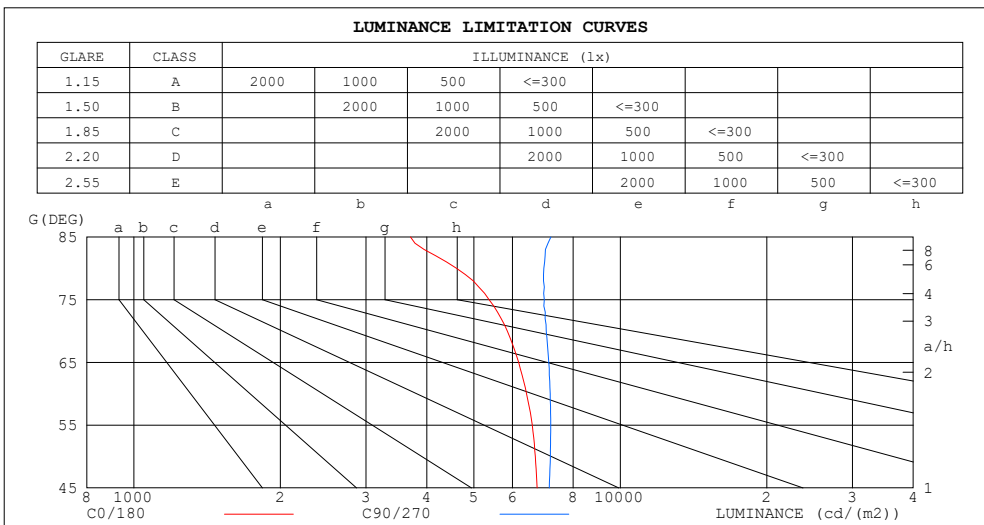
| γ | C0 | C90 | C180 | C270 | | | | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|--------|-------|--------|--|--|--|----------|-------------|--------------|-----------|
| 10 | 748.9 | 752.4 | 743.2 | 725.3 | | | | 0- 10 | 71.33 | 71.33 | 3.07,3.07 |
| 20 | 722.0 | 733.4 | 710.4 | 682.9 | | | | 10- 20 | 206.2 | 277.5 | 11.9,11.9 |
| 30 | 672.1 | 692.3 | 658.3 | 620.7 | | | | 20- 30 | 317.9 | 595.4 | 25.6,25.6 |
| 40 | 596.8 | 625.3 | 583.0 | 538.9 | | | | 30- 40 | 391.9 | 987.3 | 42.4,42.4 |
| 50 | 495.2 | 531.7 | 483.9 | 436.9 | | | | 40- 50 | 415.9 | 1403 | 60.3,60.3 |
| 60 | 369.6 | 413.2 | 363.2 | 317.9 | | | | 50- 60 | 382.9 | 1786 | 76.8,76.8 |
| 70 | 230.7 | 277.4 | 228.1 | 195.4 | | | | 60- 70 | 296.9 | 2083 | 89.5,89.5 |
| 80 | 92.16 | 139.3 | 95.77 | 86.13 | | | | 70- 80 | 176.3 | 2259 | 97.1,97.1 |
| 90 | 3.488 | 7.563 | 6.401 | 7.440 | | | | 80- 90 | 54.98 | 2314 | 99.5,99.5 |
| 100 | 0.8584 | 0.8501 | 1.010 | 0.9727 | | | | 90-100 | 1.341 | 2316 | 99.5,99.5 |
| 110 | 1.244 | 1.220 | 1.478 | 1.489 | | | | 100-110 | 1.190 | 2317 | 99.6,99.6 |
| 120 | 1.724 | 1.638 | 1.959 | 1.909 | | | | 110-120 | 1.576 | 2318 | 99.6,99.6 |
| 130 | 2.155 | 2.069 | 2.415 | 2.328 | | | | 120-130 | 1.819 | 2320 | 99.7,99.7 |
| 140 | 2.524 | 2.451 | 2.845 | 2.709 | | | | 130-140 | 1.888 | 2322 | 99.8,99.8 |
| 150 | 2.906 | 2.845 | 3.153 | 2.968 | | | | 140-150 | 1.755 | 2324 | 99.9,99.9 |
| 160 | 3.202 | 3.178 | 3.350 | 3.239 | | | | 150-160 | 1.441 | 2325 | 99.9,99.9 |
| 170 | 3.399 | 3.498 | 3.515 | 3.510 | | | | 160-170 | 0.9497 | 2326 | 100,100 |
| 180 | 3.535 | 3.609 | 3.522 | 3.535 | | | | 170-180 | 0.3361 | 2327 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2024-07-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|--------------------|----------------------|
| Test:U:24.001V I:2.4280A P:58.274W PF:1.0000 Freq:0Hz Lamp Flux:2326.52x1 lm | | |
| NAME: LST-RGB | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 60W | DIM.: 480*240 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.24*0.48 | Shielding Angle: 120 |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 3702 | 7197 |
| 80 | 4607 | 6963 |
| 75 | 5372 | 6980 |
| 70 | 5856 | 7041 |
| 65 | 6181 | 7129 |
| 60 | 6416 | 7174 |
| 55 | 6592 | 7192 |
| 50 | 6687 | 7180 |
| 45 | 6744 | 7146 |

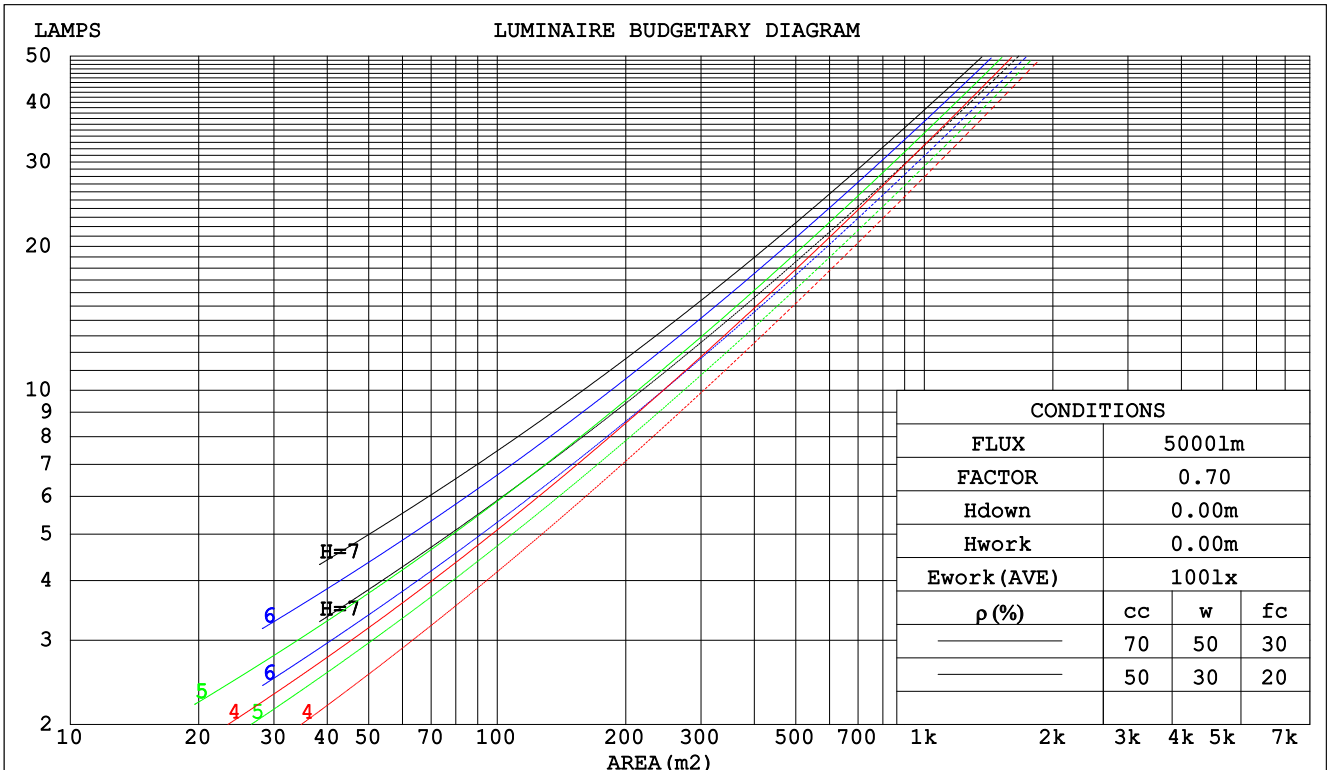
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2024-07-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|--------------------|----------------------|
| Test:U:24.001V I:2.4280A P:58.274W PF:1.0000 Freq:0Hz Lamp Flux:2326.52x1 lm | | |
| NAME: LST-RGB | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 60W | DIM.: 480*240 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.24*0.48 | 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 | .99 |
| 1.0 | 1.03 | .99 | .95 | 1.01 | .97 | .93 | .96 | .93 | .90 | .92 | .90 | .87 | .89 | .87 | .85 | .82 |
| 2.0 | .90 | .82 | .77 | .88 | .81 | .76 | .84 | .78 | .74 | .81 | .76 | .72 | .77 | .74 | .70 | .68 |
| 3.0 | .78 | .70 | .63 | .77 | .69 | .63 | .74 | .67 | .61 | .71 | .65 | .60 | .68 | .63 | .59 | .57 |
| 4.0 | .69 | .60 | .53 | .68 | .59 | .53 | .65 | .58 | .52 | .63 | .56 | .51 | .61 | .55 | .51 | .48 |
| 5.0 | .62 | .52 | .46 | .60 | .52 | .45 | .58 | .51 | .45 | .56 | .50 | .44 | .54 | .48 | .44 | .42 |
| 6.0 | .55 | .46 | .40 | .54 | .46 | .39 | .53 | .45 | .39 | .51 | .44 | .39 | .49 | .43 | .38 | .36 |
| 7.0 | .50 | .41 | .35 | .49 | .41 | .35 | .48 | .40 | .34 | .46 | .39 | .34 | .45 | .39 | .34 | .32 |
| 8.0 | .46 | .37 | .31 | .45 | .37 | .31 | .44 | .36 | .31 | .42 | .35 | .30 | .41 | .35 | .30 | .28 |
| 9.0 | .42 | .33 | .28 | .41 | .33 | .28 | .40 | .33 | .28 | .39 | .32 | .27 | .38 | .32 | .27 | .25 |
| 10.0 | .39 | .31 | .25 | .38 | .30 | .25 | .37 | .30 | .25 | .36 | .29 | .25 | .35 | .29 | .25 | .23 |



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2024-07-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | | | | | | | | | | | | | |
|--|--|--|--|--|--------------------|--|--|--|--|----------------------|--|--|--|--|
| Test:U:24.001V I:2.4280A P:58.274W PF:1.0000 Freq:0Hz Lamp Flux:2326.52x1 lm | | | | | | | | | | | | | | |
| NAME: LST-RGB | | | | | TYPE: LED Sheet | | | | | WEIGHT: | | | | |
| SPEC.: 60W | | | | | DIM.: 480*240 (MM) | | | | | SERIAL No.: 001 | | | | |
| MFR.: Flexfire LEDs, Inc. | | | | | SUR.: 0.24*0.48 | | | | | 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 | .165 | .053 | .275 | .160 | .051 | |
| 2.0 | .299 | .164 | .050 | .293 | .161 | .050 | .281 | .156 | .048 | .270 | .151 | .047 | .259 | .147 | .046 | |
| 3.0 | .276 | .147 | .044 | .270 | .145 | .044 | .259 | .141 | .043 | .250 | .137 | .042 | .240 | .133 | .041 | |
| 4.0 | .254 | .132 | .039 | .249 | .130 | .038 | .239 | .127 | .038 | .230 | .124 | .037 | .222 | .121 | .037 | |
| 5.0 | .234 | .119 | .035 | .230 | .118 | .034 | .221 | .115 | .034 | .213 | .113 | .033 | .206 | .110 | .033 | |
| 6.0 | .217 | .109 | .031 | .213 | .107 | .031 | .205 | .105 | .031 | .198 | .103 | .030 | .192 | .101 | .030 | |
| 7.0 | .201 | .100 | .028 | .198 | .099 | .028 | .191 | .097 | .028 | .185 | .095 | .028 | .179 | .093 | .027 | |
| 8.0 | .188 | .092 | .026 | .185 | .091 | .026 | .179 | .089 | .025 | .173 | .088 | .025 | .168 | .086 | .025 | |
| 9.0 | .176 | .085 | .024 | .173 | .084 | .024 | .168 | .083 | .023 | .163 | .081 | .023 | .158 | .080 | .023 | |
| 10.0 | .165 | .079 | .022 | .163 | .079 | .022 | .158 | .077 | .022 | .153 | .076 | .022 | .149 | .075 | .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 | .195 | .195 | .195 | .166 | .166 | .166 | .113 | .113 | .113 | .065 | .065 | .065 | .021 | .021 | .021 | |
| 1.0 | .185 | .160 | .138 | .158 | .137 | .118 | .108 | .095 | .082 | .062 | .055 | .048 | .020 | .018 | .015 | |
| 2.0 | .177 | .136 | .101 | .152 | .117 | .087 | .104 | .081 | .061 | .060 | .047 | .036 | .019 | .015 | .012 | |
| 3.0 | .170 | .118 | .078 | .145 | .102 | .067 | .100 | .071 | .047 | .058 | .041 | .028 | .019 | .013 | .009 | |
| 4.0 | .162 | .105 | .062 | .139 | .091 | .054 | .096 | .063 | .038 | .055 | .037 | .022 | .018 | .012 | .007 | |
| 5.0 | .155 | .095 | .051 | .133 | .082 | .044 | .091 | .057 | .031 | .053 | .034 | .018 | .017 | .011 | .006 | |
| 6.0 | .147 | .087 | .043 | .127 | .075 | .037 | .087 | .052 | .026 | .051 | .031 | .016 | .016 | .010 | .005 | |
| 7.0 | .141 | .080 | .037 | .121 | .069 | .032 | .084 | .048 | .023 | .049 | .029 | .014 | .016 | .009 | .004 | |
| 8.0 | .134 | .074 | .033 | .115 | .064 | .028 | .080 | .045 | .020 | .046 | .027 | .012 | .015 | .009 | .004 | |
| 9.0 | .128 | .069 | .029 | .110 | .060 | .025 | .076 | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 | |
| 10.0 | .122 | .065 | .026 | .105 | .056 | .023 | .073 | .040 | .016 | .043 | .023 | .010 | .014 | .008 | .003 | |

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2024-07-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|--------------------|------|------|----------------------|------|------|------|------|
| Test:U:24.001V I:2.4280A P:58.274W PF:1.0000 Freq:0Hz Lamp Flux:2326.52x1 lm | | | | | | | | | | |
| NAME: LST-RGB | | | TYPE: LED Sheet | | | WEIGHT: | | | | |
| SPEC.: 60W | | | DIM.: 480*240 (MM) | | | SERIAL No.: 001 | | | | |
| MFR.: Flexfire LEDs, Inc. | | | SUR.: 0.24*0.48 | | | 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 | 16.7 | 18.2 | 17.0 | 18.5 | 18.7 | 17.1 | 18.6 | 17.4 | 18.8 | 19.1 |
| 3H | 18.2 | 19.7 | 18.5 | 19.9 | 20.2 | 18.8 | 20.3 | 19.1 | 20.5 | 20.8 |
| 4H | 18.8 | 20.2 | 19.2 | 20.5 | 20.7 | 19.6 | 21.0 | 19.9 | 21.2 | 21.5 |
| 6H | 19.3 | 20.5 | 19.6 | 20.8 | 21.1 | 20.2 | 21.5 | 20.6 | 21.8 | 22.1 |
| 8H | 19.4 | 20.6 | 19.7 | 20.9 | 21.2 | 20.5 | 21.7 | 20.8 | 22.0 | 22.3 |
| 12H | 19.4 | 20.6 | 19.8 | 20.9 | 21.2 | 20.7 | 21.9 | 21.0 | 22.2 | 22.5 |
| 4H 2H | 17.4 | 18.8 | 17.7 | 19.0 | 19.3 | 17.7 | 19.1 | 18.0 | 19.3 | 19.6 |
| 3H | 19.1 | 20.3 | 19.5 | 20.6 | 20.9 | 19.6 | 20.8 | 20.0 | 21.1 | 21.4 |
| 4H | 19.9 | 21.0 | 20.3 | 21.3 | 21.6 | 20.5 | 21.6 | 20.9 | 21.9 | 22.3 |
| 6H | 20.4 | 21.4 | 20.8 | 21.7 | 22.1 | 21.3 | 22.3 | 21.7 | 22.6 | 23.0 |
| 8H | 20.6 | 21.5 | 21.0 | 21.8 | 22.2 | 21.6 | 22.5 | 22.0 | 22.9 | 23.3 |
| 12H | 20.7 | 21.5 | 21.1 | 21.9 | 22.3 | 21.9 | 22.7 | 22.3 | 23.1 | 23.5 |
| 8H 4H | 20.2 | 21.1 | 20.6 | 21.5 | 21.9 | 20.8 | 21.7 | 21.2 | 22.1 | 22.5 |
| 6H | 20.9 | 21.7 | 21.4 | 22.1 | 22.5 | 21.7 | 22.5 | 22.2 | 22.9 | 23.3 |
| 8H | 21.2 | 21.8 | 21.6 | 22.3 | 22.7 | 22.1 | 22.8 | 22.6 | 23.2 | 23.7 |
| 12H | 21.3 | 21.9 | 21.8 | 22.4 | 22.9 | 22.5 | 23.1 | 23.0 | 23.5 | 24.0 |
| 12H 4H | 20.3 | 21.1 | 20.7 | 21.5 | 21.9 | 20.8 | 21.6 | 21.2 | 22.0 | 22.4 |
| 6H | 21.0 | 21.7 | 21.5 | 22.1 | 22.6 | 21.8 | 22.5 | 22.3 | 22.9 | 23.4 |
| 8H | 21.3 | 21.9 | 21.8 | 22.3 | 22.8 | 22.2 | 22.8 | 22.7 | 23.3 | 23.8 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.4 | | | | | + 0.1 / - 0.3 | | | | |

CIE Pub.117, 2327 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.9)
 Area: 0.1152 m2

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2024-07-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|--------------------|----------------------|
| Test:U:24.001V I:2.4280A P:58.274W PF:1.0000 Freq:0Hz Lamp Flux:2326.52x1 lm | | |
| NAME: LST-RGB | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 60W | DIM.: 480*240 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.24*0.48 | Shielding Angle: 120 |

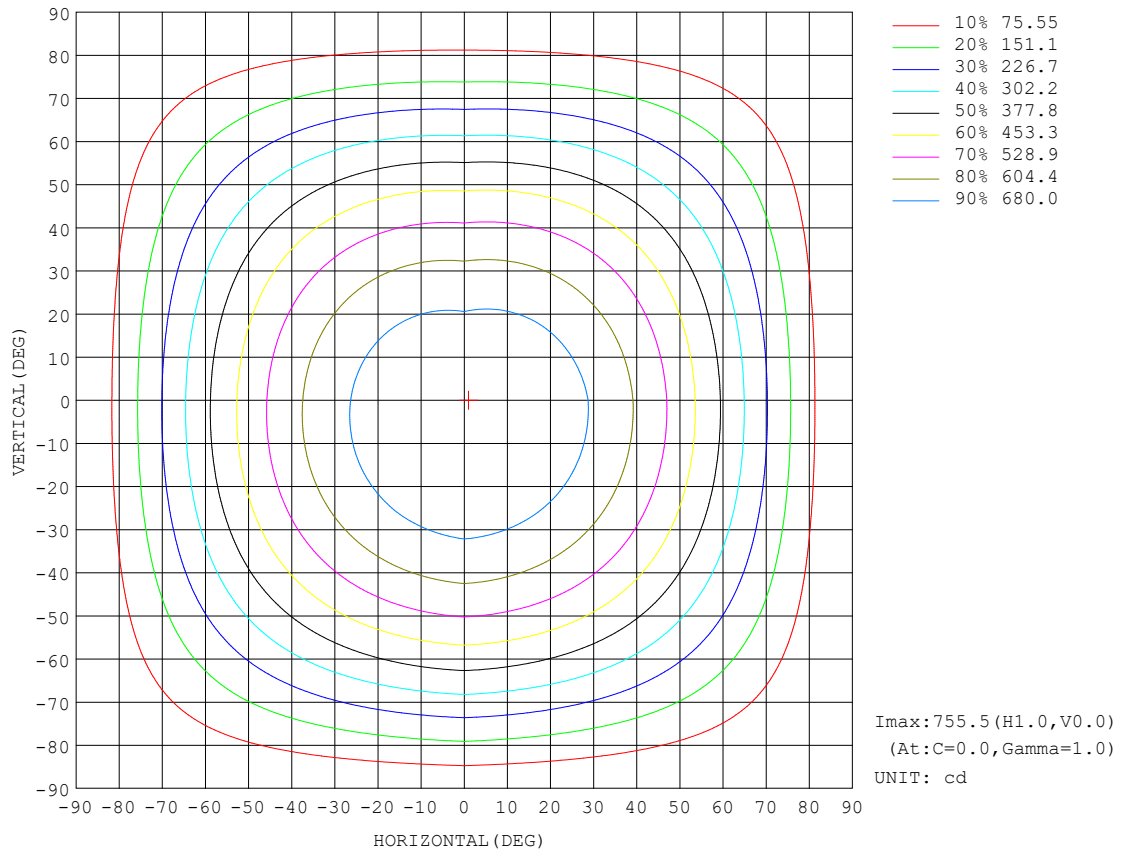
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 44 | 37 | 30 |
| 0.80 | 66 | 54 | 47 | 65 | 54 | 47 | 63 | 53 | 46 | 39 |
| 1.00 | 75 | 63 | 56 | 74 | 63 | 56 | 71 | 64 | 55 | 48 |
| 1.25 | 82 | 71 | 64 | 80 | 70 | 63 | 78 | 69 | 63 | 55 |
| 1.50 | 87 | 77 | 70 | 85 | 76 | 69 | 82 | 74 | 68 | 60 |
| 2.00 | 94 | 85 | 79 | 92 | 84 | 78 | 88 | 82 | 76 | 68 |
| 2.50 | 98 | 90 | 84 | 96 | 89 | 83 | 92 | 86 | 81 | 72 |
| 3.00 | 101 | 94 | 89 | 99 | 93 | 88 | 95 | 90 | 85 | 77 |
| 4.00 | 106 | 100 | 95 | 103 | 98 | 93 | 99 | 94 | 91 | 82 |
| 5.00 | 108 | 103 | 99 | 106 | 101 | 97 | 101 | 97 | 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:2024-07-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|--------------------|----------------------|
| Test:U:24.001V I:2.4280A P:58.274W PF:1.0000 Freq:0Hz Lamp Flux:2326.52x1 lm | | |
| NAME: LST-RGB | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 60W | DIM.: 480*240 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.24*0.48 | Shielding Angle: 120 |

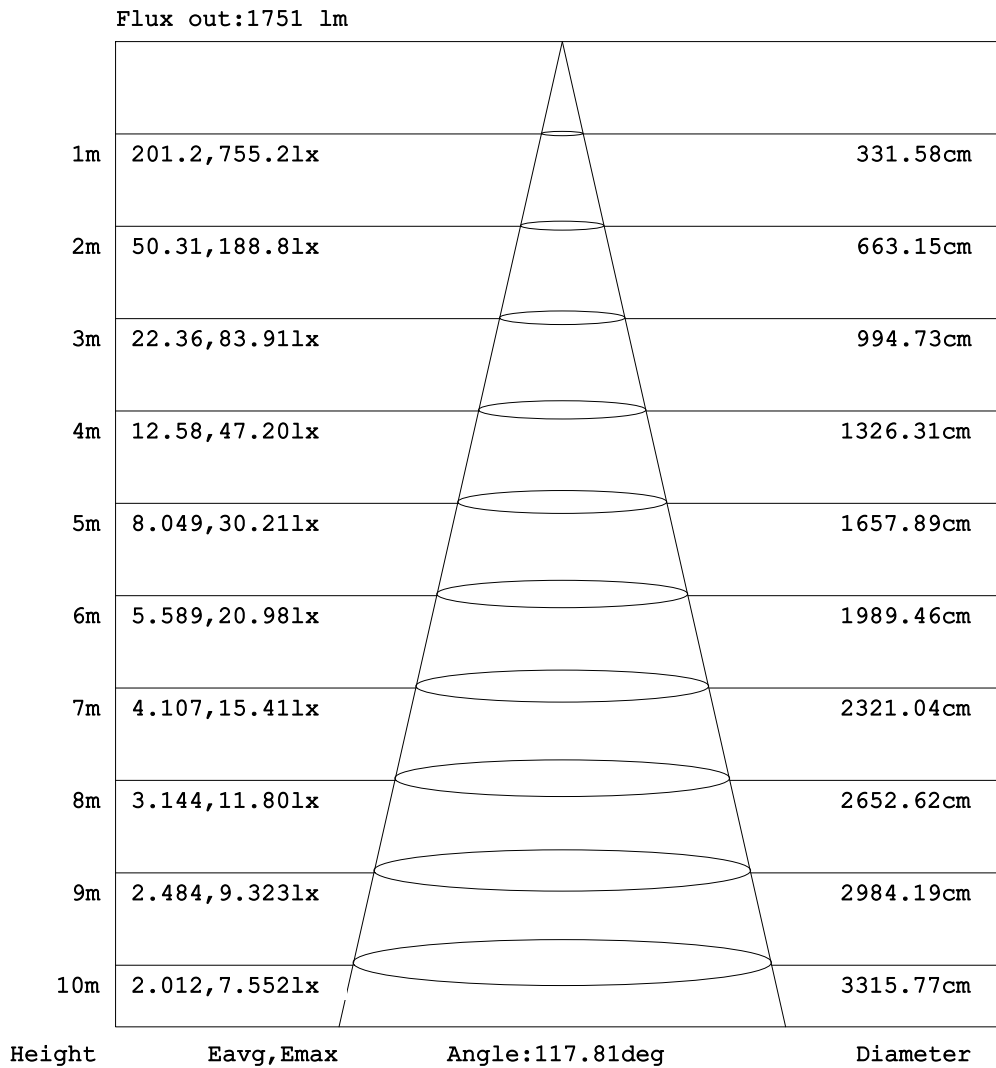


C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2024-07-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|--|--------------------|----------------------|
| Test:U:24.001V I:2.4280A P:58.274W PF:1.0000 Freq:0Hz Lamp Flux:2326.52x1 lm | | |
| NAME: LST-RGB | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 60W | DIM.: 480*240 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.24*0.48 | Shielding Angle: 120 |



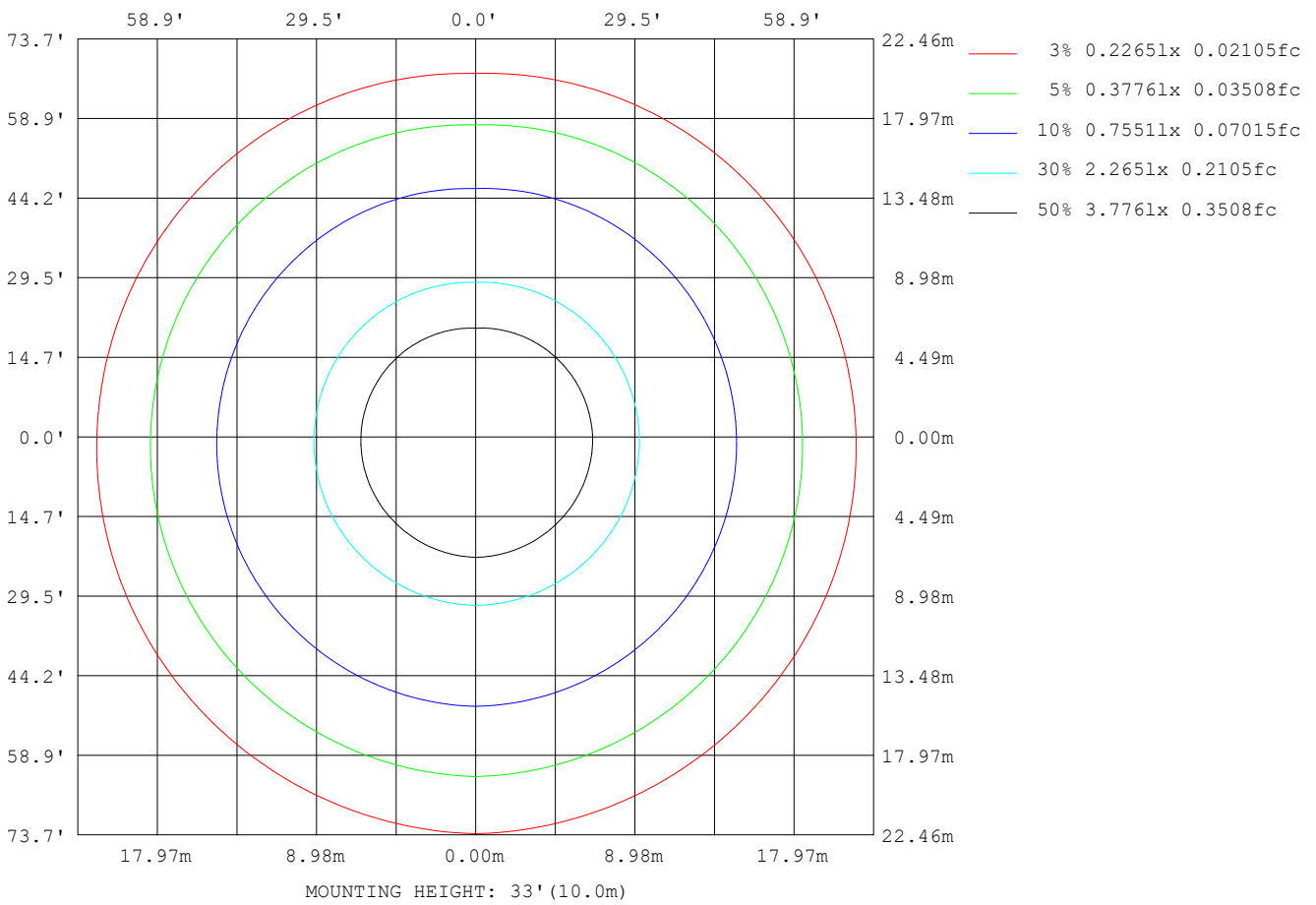
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2024-07-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|--|--------------------|----------------------|
| Test:U:24.001V I:2.4280A P:58.274W PF:1.0000 Freq:0Hz Lamp Flux:2326.52x1 lm | | |
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 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|--|--------------------|----------------------|
| Test:U:24.001V I:2.4280A P:58.274W PF:1.0000 Freq:0Hz Lamp Flux:2326.52x1 lm | | |
| NAME: LST-RGB | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 60W | DIM.: 480*240 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.24*0.48 | Shielding Angle: 120 |

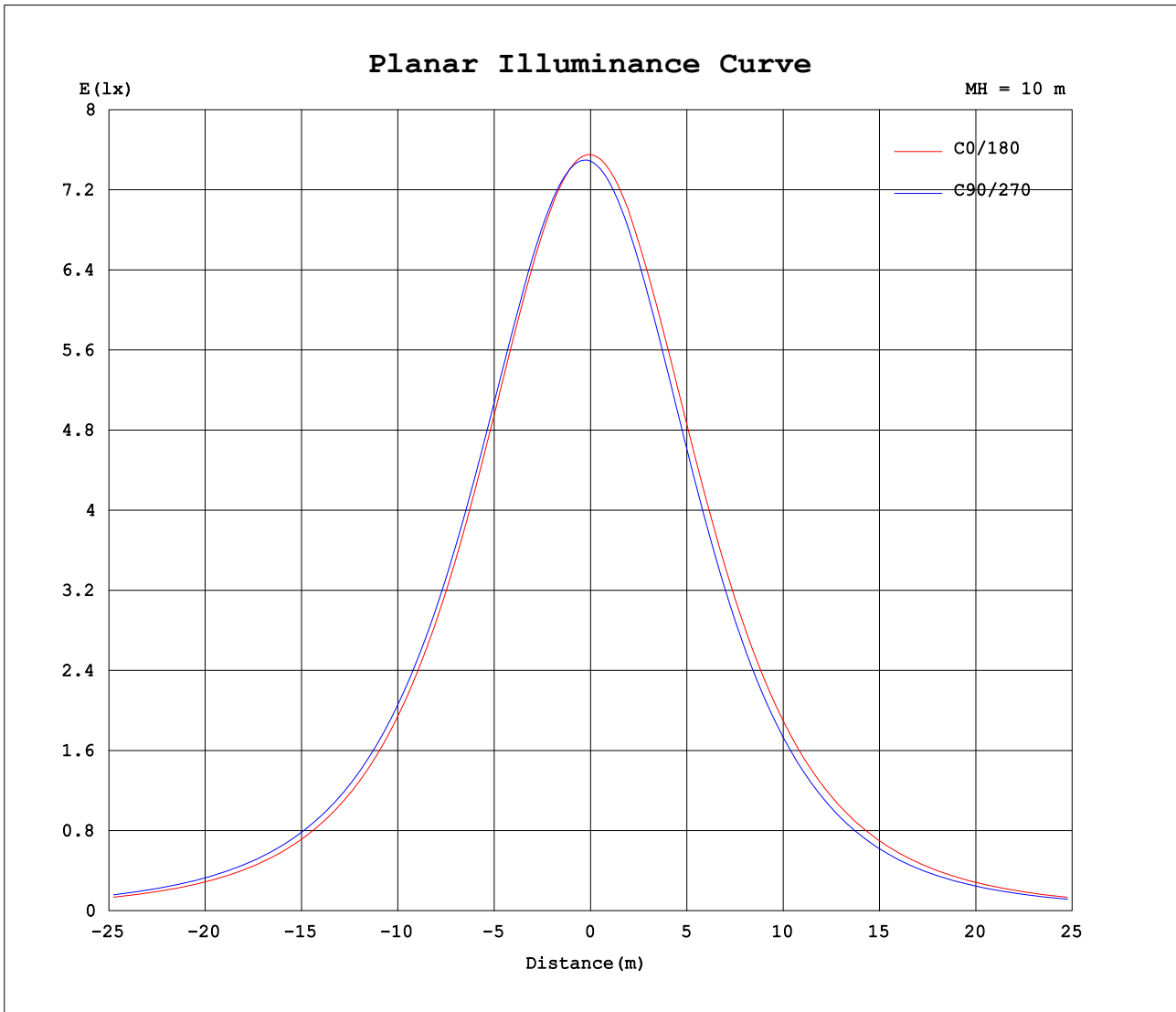
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 6136 |
| L_0~180 (75) av | 5378 |
| L_0~180 (85) av | 3840 |
| L_90~270 (65) av | 6201 |
| L_90~270 (75) av | 5792 |
| L_90~270 (85) av | 5712 |
| L_45 (65) av | 6174 |
| L_45 (75) av | 5637 |
| L_45 (85) av | 5019 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2024-07-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2024-07-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|--------------------|----------------------|
| Test:U:24.001V I:2.4280A P:58.274W PF:1.0000 Freq:0Hz Lamp Flux:2326.52x1 lm | | |
| NAME: LST-RGB | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 60W | DIM.: 480*240 (MM) | SERIAL No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.24*0.48 | Shielding Angle: 120 |

Table--1

UNIT: cd

| C (DEG) \ γ (DEG) | 0 | 90 | 180 | 270 | | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 755 | 749 | 755 | 749 | | | | | | | | | | | | | | | |
| 5 | 754 | 753 | 751 | 739 | | | | | | | | | | | | | | | |
| 10 | 749 | 752 | 743 | 725 | | | | | | | | | | | | | | | |
| 15 | 738 | 746 | 728 | 706 | | | | | | | | | | | | | | | |
| 20 | 722 | 733 | 710 | 683 | | | | | | | | | | | | | | | |
| 25 | 700 | 716 | 687 | 654 | | | | | | | | | | | | | | | |
| 30 | 672 | 692 | 658 | 621 | | | | | | | | | | | | | | | |
| 35 | 637 | 662 | 623 | 582 | | | | | | | | | | | | | | | |
| 40 | 597 | 625 | 583 | 539 | | | | | | | | | | | | | | | |
| 45 | 549 | 582 | 537 | 490 | | | | | | | | | | | | | | | |
| 50 | 495 | 532 | 484 | 437 | | | | | | | | | | | | | | | |
| 55 | 436 | 475 | 426 | 379 | | | | | | | | | | | | | | | |
| 60 | 370 | 413 | 363 | 318 | | | | | | | | | | | | | | | |
| 65 | 301 | 347 | 297 | 257 | | | | | | | | | | | | | | | |
| 70 | 231 | 277 | 228 | 195 | | | | | | | | | | | | | | | |
| 75 | 160 | 208 | 161 | 137 | | | | | | | | | | | | | | | |
| 80 | 92.2 | 139 | 95.8 | 86.1 | | | | | | | | | | | | | | | |
| 85 | 37.2 | 72.3 | 39.9 | 42.4 | | | | | | | | | | | | | | | |
| 90 | 3.49 | 7.56 | 6.40 | 7.44 | | | | | | | | | | | | | | | |
| 95 | 0.84 | 0.70 | 0.89 | 0.85 | | | | | | | | | | | | | | | |
| 100 | 0.86 | 0.85 | 1.01 | 0.97 | | | | | | | | | | | | | | | |
| 105 | 1.01 | 1.02 | 1.22 | 1.21 | | | | | | | | | | | | | | | |
| 110 | 1.24 | 1.22 | 1.48 | 1.49 | | | | | | | | | | | | | | | |
| 115 | 1.56 | 1.43 | 1.72 | 1.70 | | | | | | | | | | | | | | | |
| 120 | 1.72 | 1.64 | 1.96 | 1.91 | | | | | | | | | | | | | | | |
| 125 | 1.93 | 1.85 | 2.23 | 2.13 | | | | | | | | | | | | | | | |
| 130 | 2.15 | 2.07 | 2.41 | 2.33 | | | | | | | | | | | | | | | |
| 135 | 2.35 | 2.27 | 2.65 | 2.52 | | | | | | | | | | | | | | | |
| 140 | 2.52 | 2.45 | 2.85 | 2.71 | | | | | | | | | | | | | | | |
| 145 | 2.70 | 2.66 | 2.99 | 2.86 | | | | | | | | | | | | | | | |
| 150 | 2.91 | 2.85 | 3.15 | 2.97 | | | | | | | | | | | | | | | |
| 155 | 3.13 | 2.99 | 3.26 | 3.17 | | | | | | | | | | | | | | | |
| 160 | 3.20 | 3.18 | 3.35 | 3.24 | | | | | | | | | | | | | | | |
| 165 | 3.29 | 3.33 | 3.49 | 3.36 | | | | | | | | | | | | | | | |
| 170 | 3.40 | 3.50 | 3.51 | 3.51 | | | | | | | | | | | | | | | |
| 175 | 3.50 | 3.59 | 3.52 | 3.53 | | | | | | | | | | | | | | | |
| 180 | 3.53 | 3.61 | 3.52 | 3.53 | | | | | | | | | | | | | | | |

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 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
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