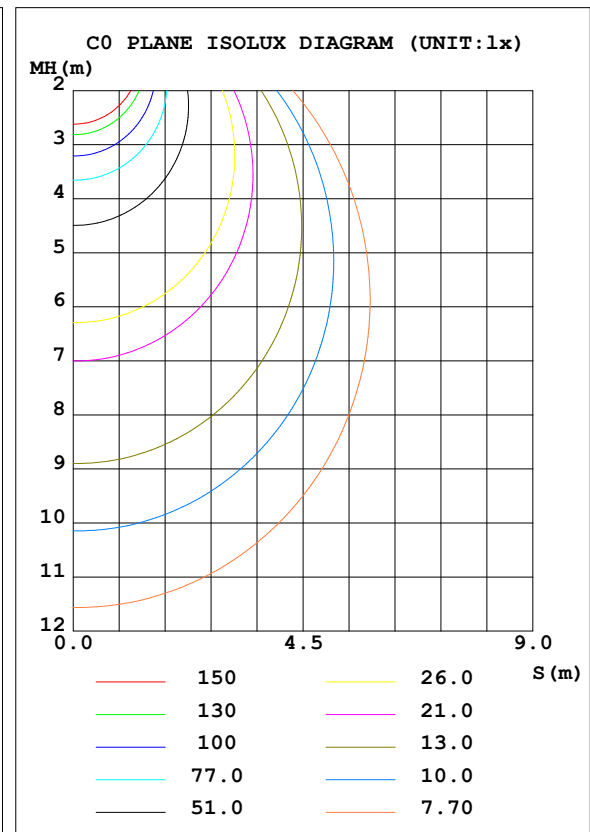
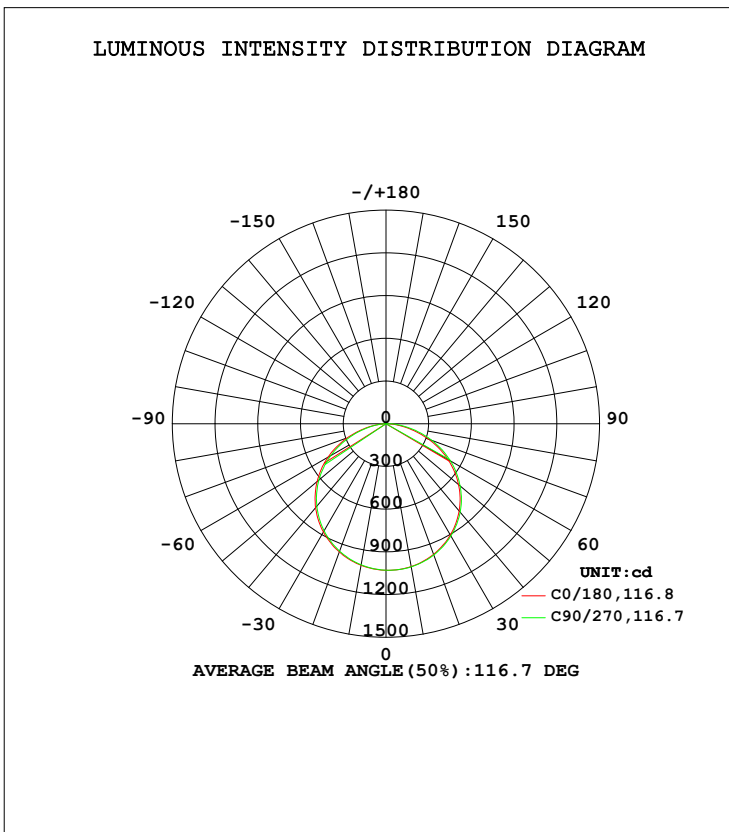


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|--------------------|----------------------|
| Test:U:24.001V I:1.1920A P:28.609W PF:1.0000 Freq:0Hz Lamp Flux:3095.74x1 lm | | |
| NAME: LST-50K | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 29W | 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: 108.21 lm/W | | | |
|-------------------|---------|-----------------------------------|--------|---------------------|-----------|
| MODEL | | I _{max} (cd) | 1030 | S/MH (C0/180) | 1.27 |
| NOMINAL POWER (W) | | LOR (%) | 100.0 | S/MH (C90/270) | 1.26 |
| RATED VOLTAGE (V) | | TOTAL FLUX (lm) | 3095.7 | η UP, DN (C0-180) | 0.3, 51.9 |
| NOMINAL FLUX (lm) | 3095.74 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.3, 47.6 |
| LAMPS INSIDE | 1 | η up (%) | 0.5 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE (V) | | η down (%) | 99.5 | CIBSE SHR MAX | 1.35 |



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Test Date: 2023-09-22

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:

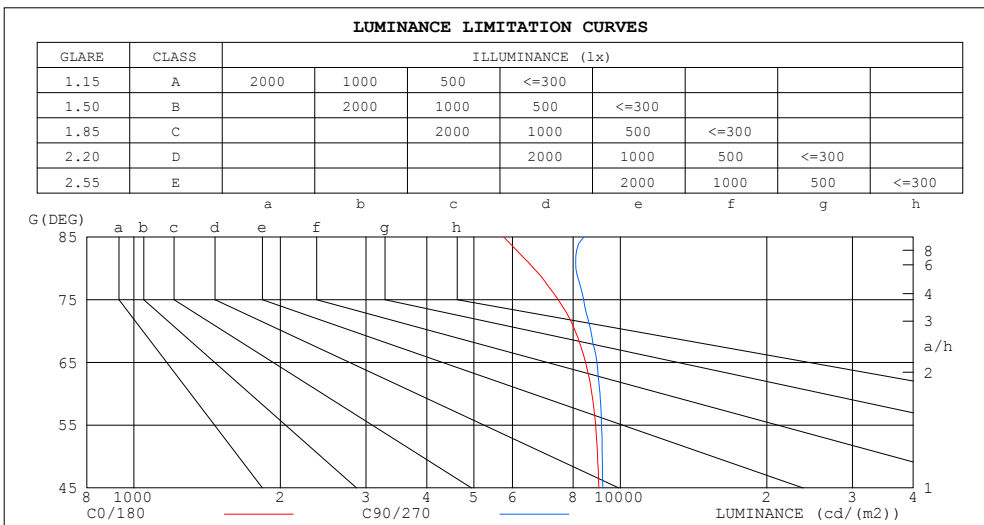
| γ | C0 | C90 | C180 | C270 | | | | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|-------|-------|--------|--|--|--|----------|-------------|--------------|------------|
| 10 | 1019 | 1021 | 1009 | 1006 | | | | 0- 10 | 97.49 | 97.49 | 3.15,3.15 |
| 20 | 976.1 | 981.2 | 958.6 | 952.9 | | | | 10- 20 | 280.7 | 378.2 | 12.2,12.2 |
| 30 | 902.7 | 910.8 | 878.6 | 869.2 | | | | 20- 30 | 429.9 | 808.1 | 26.1,26.1 |
| 40 | 798.9 | 810.3 | 769.6 | 756.2 | | | | 30- 40 | 526.0 | 1334 | 43.1,43.1 |
| 50 | 664.8 | 679.8 | 632.0 | 614.6 | | | | 40- 50 | 554.7 | 1889 | 61,61 |
| 60 | 503.5 | 523.0 | 469.7 | 449.2 | | | | 50- 60 | 509.2 | 2398 | 77.5,77.5 |
| 70 | 318.3 | 342.8 | 288.4 | 265.1 | | | | 60- 70 | 391.9 | 2790 | 90.1,90.1 |
| 80 | 132.8 | 162.0 | 112.5 | 96.82 | | | | 70- 80 | 224.0 | 3014 | 97.4,97.4 |
| 90 | 9.532 | 27.43 | 3.631 | 0.9565 | | | | 80- 90 | 64.92 | 3079 | 99.5,99.5 |
| 100 | 1.181 | 1.121 | 1.368 | 1.243 | | | | 90-100 | 2.474 | 3081 | 99.5,99.5 |
| 110 | 1.613 | 1.639 | 1.983 | 1.884 | | | | 100-110 | 1.562 | 3083 | 99.6,99.6 |
| 120 | 2.277 | 2.230 | 2.636 | 2.450 | | | | 110-120 | 2.061 | 3085 | 99.6,99.6 |
| 130 | 2.820 | 2.821 | 3.252 | 3.017 | | | | 120-130 | 2.415 | 3087 | 99.7,99.7 |
| 140 | 3.337 | 3.412 | 3.757 | 3.510 | | | | 130-140 | 2.510 | 3090 | 99.8,99.8 |
| 150 | 3.805 | 3.905 | 4.139 | 3.953 | | | | 140-150 | 2.344 | 3092 | 99.9,99.9 |
| 160 | 4.175 | 4.286 | 4.459 | 4.274 | | | | 150-160 | 1.907 | 3094 | 99.9,99.9 |
| 170 | 4.471 | 4.656 | 4.630 | 4.606 | | | | 160-170 | 1.260 | 3095 | 100,100 |
| 180 | 4.656 | 4.717 | 4.668 | 4.729 | | | | 170-180 | 0.4431 | 3096 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2023-09-22

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:1.1920A P:28.609W PF:1.0000 Freq:0Hz Lamp Flux:3095.74x1 lm | | |
| NAME: LST-50K | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 29W | 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 | 5760 | 8414 |
| 80 | 6639 | 8099 |
| 75 | 7455 | 8406 |
| 70 | 8077 | 8701 |
| 65 | 8483 | 8954 |
| 60 | 8741 | 9081 |
| 55 | 8898 | 9147 |
| 50 | 8977 | 9181 |
| 45 | 9035 | 9207 |

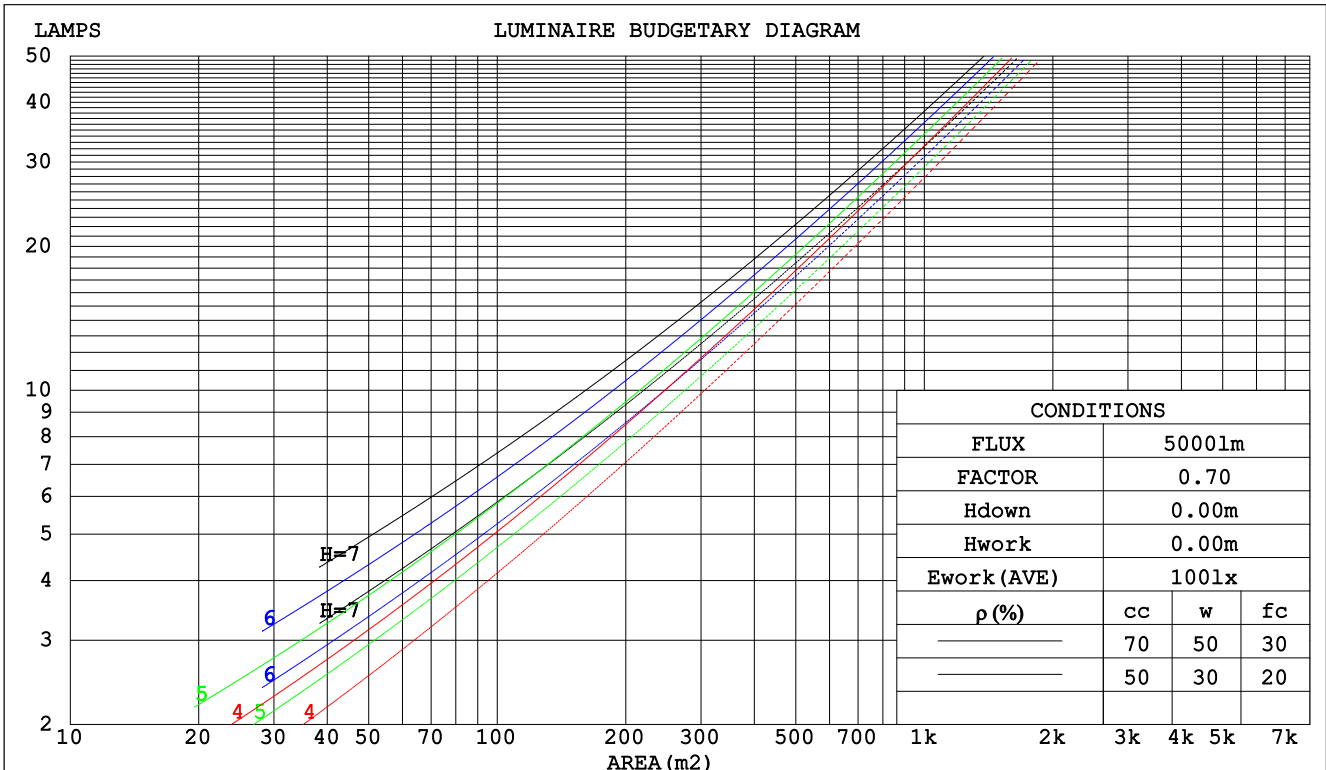
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2023-09-22

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:1.1920A P:28.609W PF:1.0000 Freq:0Hz Lamp Flux:3095.74x1 lm | | |
| NAME: LST-50K | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 29W | 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 | .94 | .97 | .93 | .90 | .93 | .90 | .88 | .89 | .87 | .85 | .83 |
| 2.0 | .90 | .83 | .77 | .88 | .82 | .76 | .84 | .79 | .74 | .81 | .76 | .72 | .78 | .74 | .71 | .69 |
| 3.0 | .79 | .70 | .64 | .77 | .69 | .63 | .74 | .67 | .62 | .71 | .66 | .61 | .68 | .64 | .60 | .57 |
| 4.0 | .70 | .61 | .54 | .68 | .60 | .53 | .66 | .58 | .53 | .63 | .57 | .52 | .61 | .56 | .51 | .49 |
| 5.0 | .62 | .53 | .46 | .61 | .52 | .46 | .59 | .51 | .45 | .57 | .50 | .45 | .55 | .49 | .44 | .42 |
| 6.0 | .56 | .47 | .40 | .55 | .46 | .40 | .53 | .45 | .40 | .51 | .44 | .39 | .49 | .43 | .39 | .37 |
| 7.0 | .50 | .42 | .35 | .50 | .41 | .35 | .48 | .40 | .35 | .47 | .40 | .35 | .45 | .39 | .34 | .32 |
| 8.0 | .46 | .37 | .31 | .45 | .37 | .31 | .44 | .36 | .31 | .43 | .36 | .31 | .41 | .35 | .31 | .29 |
| 9.0 | .42 | .34 | .28 | .42 | .34 | .28 | .40 | .33 | .28 | .39 | .33 | .28 | .38 | .32 | .28 | .26 |
| 10.0 | .39 | .31 | .26 | .38 | .31 | .25 | .37 | .30 | .25 | .36 | .30 | .25 | .35 | .29 | .25 | .23 |



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2023-09-22

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:1.1920A P:28.609W PF:1.0000 Freq:0Hz Lamp Flux:3095.74x1 lm | | | | | | | | | | | | | | |
| NAME: LST-50K | | | | | TYPE: LED Sheet | | | | | WEIGHT: | | | | |
| SPEC.: 29W | | | | | 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 | .315 | .179 | .057 | .308 | .176 | .056 | .294 | .169 | .054 | .282 | .163 | .052 | .270 | .157 | .051 | |
| 2.0 | .296 | .162 | .050 | .289 | .159 | .049 | .277 | .154 | .048 | .266 | .149 | .047 | .256 | .145 | .046 | |
| 3.0 | .273 | .145 | .044 | .268 | .143 | .043 | .257 | .139 | .042 | .247 | .135 | .042 | .238 | .132 | .041 | |
| 4.0 | .252 | .131 | .038 | .247 | .129 | .038 | .237 | .126 | .038 | .229 | .123 | .037 | .220 | .120 | .036 | |
| 5.0 | .233 | .119 | .034 | .228 | .117 | .034 | .220 | .114 | .034 | .212 | .112 | .033 | .205 | .109 | .033 | |
| 6.0 | .216 | .108 | .031 | .212 | .107 | .031 | .204 | .105 | .030 | .197 | .102 | .030 | .190 | .100 | .030 | |
| 7.0 | .200 | .099 | .028 | .197 | .098 | .028 | .190 | .096 | .028 | .184 | .094 | .027 | .178 | .092 | .027 | |
| 8.0 | .187 | .091 | .026 | .184 | .091 | .026 | .178 | .089 | .025 | .172 | .087 | .025 | .167 | .086 | .025 | |
| 9.0 | .175 | .085 | .024 | .172 | .084 | .024 | .167 | .083 | .023 | .162 | .081 | .023 | .157 | .080 | .023 | |
| 10.0 | .165 | .079 | .022 | .162 | .078 | .022 | .157 | .077 | .022 | .153 | .076 | .022 | .148 | .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 | .114 | .114 | .114 | .065 | .065 | .065 | .021 | .021 | .021 | |
| 1.0 | .185 | .160 | .138 | .158 | .138 | .119 | .108 | .095 | .082 | .062 | .055 | .048 | .020 | .018 | .015 | |
| 2.0 | .177 | .136 | .102 | .152 | .117 | .088 | .104 | .081 | .061 | .060 | .047 | .036 | .019 | .015 | .012 | |
| 3.0 | .169 | .119 | .078 | .145 | .102 | .068 | .100 | .071 | .047 | .058 | .042 | .028 | .019 | .013 | .009 | |
| 4.0 | .162 | .105 | .062 | .139 | .091 | .054 | .095 | .063 | .038 | .055 | .037 | .023 | .018 | .012 | .007 | |
| 5.0 | .154 | .095 | .051 | .133 | .082 | .044 | .091 | .057 | .031 | .053 | .034 | .019 | .017 | .011 | .006 | |
| 6.0 | .147 | .087 | .043 | .127 | .075 | .038 | .087 | .053 | .027 | .051 | .031 | .016 | .016 | .010 | .005 | |
| 7.0 | .140 | .080 | .037 | .121 | .069 | .033 | .083 | .048 | .023 | .048 | .029 | .014 | .016 | .009 | .005 | |
| 8.0 | .134 | .074 | .033 | .115 | .064 | .029 | .080 | .045 | .020 | .046 | .027 | .012 | .015 | .009 | .004 | |
| 9.0 | .128 | .069 | .029 | .110 | .060 | .026 | .076 | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 | |
| 10.0 | .122 | .065 | .027 | .105 | .056 | .023 | .073 | .040 | .017 | .043 | .023 | .010 | .014 | .008 | .003 | |

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2023-09-22

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:1.1920A P:28.609W PF:1.0000 Freq:0Hz Lamp Flux:3095.74x1 lm | | | | | | | | | | |
| NAME: LST-50K | | | TYPE: LED Sheet | | | WEIGHT: | | | | |
| SPEC.: 29W | | | 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 | 18.3 | 17.0 | 18.5 | 18.7 | 16.9 | 18.4 | 17.1 | 18.6 | 18.8 |
| 3H | 18.3 | 19.7 | 18.6 | 20.0 | 20.2 | 18.5 | 20.0 | 18.8 | 20.2 | 20.5 |
| 4H | 18.9 | 20.3 | 19.3 | 20.6 | 20.8 | 19.2 | 20.6 | 19.6 | 20.8 | 21.1 |
| 6H | 19.4 | 20.6 | 19.7 | 20.9 | 21.2 | 19.8 | 21.1 | 20.1 | 21.3 | 21.6 |
| 8H | 19.5 | 20.7 | 19.9 | 21.0 | 21.3 | 20.0 | 21.2 | 20.4 | 21.5 | 21.8 |
| 12H | 19.6 | 20.8 | 20.0 | 21.1 | 21.4 | 20.2 | 21.3 | 20.5 | 21.6 | 22.0 |
| 4H 2H | 17.4 | 18.7 | 17.7 | 19.0 | 19.3 | 17.5 | 18.8 | 17.8 | 19.1 | 19.4 |
| 3H | 19.2 | 20.3 | 19.5 | 20.7 | 21.0 | 19.4 | 20.5 | 19.7 | 20.8 | 21.2 |
| 4H | 19.9 | 21.0 | 20.3 | 21.3 | 21.7 | 20.2 | 21.3 | 20.6 | 21.6 | 21.9 |
| 6H | 20.5 | 21.4 | 20.9 | 21.8 | 22.2 | 20.9 | 21.8 | 21.3 | 22.2 | 22.6 |
| 8H | 20.7 | 21.6 | 21.1 | 21.9 | 22.3 | 21.1 | 22.0 | 21.6 | 22.4 | 22.8 |
| 12H | 20.8 | 21.6 | 21.2 | 22.0 | 22.4 | 21.4 | 22.2 | 21.8 | 22.6 | 23.0 |
| 8H 4H | 20.2 | 21.1 | 20.7 | 21.5 | 21.9 | 20.5 | 21.4 | 20.9 | 21.7 | 22.1 |
| 6H | 21.0 | 21.7 | 21.4 | 22.1 | 22.6 | 21.3 | 22.1 | 21.8 | 22.5 | 22.9 |
| 8H | 21.2 | 21.9 | 21.7 | 22.3 | 22.8 | 21.7 | 22.3 | 22.2 | 22.8 | 23.2 |
| 12H | 21.5 | 22.0 | 21.9 | 22.5 | 23.0 | 22.0 | 22.6 | 22.5 | 23.0 | 23.5 |
| 12H 4H | 20.3 | 21.1 | 20.7 | 21.5 | 21.9 | 20.5 | 21.3 | 20.9 | 21.7 | 22.1 |
| 6H | 21.0 | 21.7 | 21.5 | 22.1 | 22.6 | 21.4 | 22.0 | 21.8 | 22.5 | 22.9 |
| 8H | 21.4 | 21.9 | 21.9 | 22.4 | 22.9 | 21.8 | 22.4 | 22.3 | 22.8 | 23.3 |
| 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 / - 0.3 | | | | | + 0.1 / - 0.3 | | | | |

CIE Pub.117, 3096 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.9)
 Area: 0.1152 m2

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2023-09-22

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:1.1920A P:28.609W PF:1.0000 Freq:0Hz Lamp Flux:3095.74x1 lm | | |
| NAME: LST-50K | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 29W | DIM.: 480*240 (MM) | Serial No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.24*0.48 | Shielding Angle: 120 |

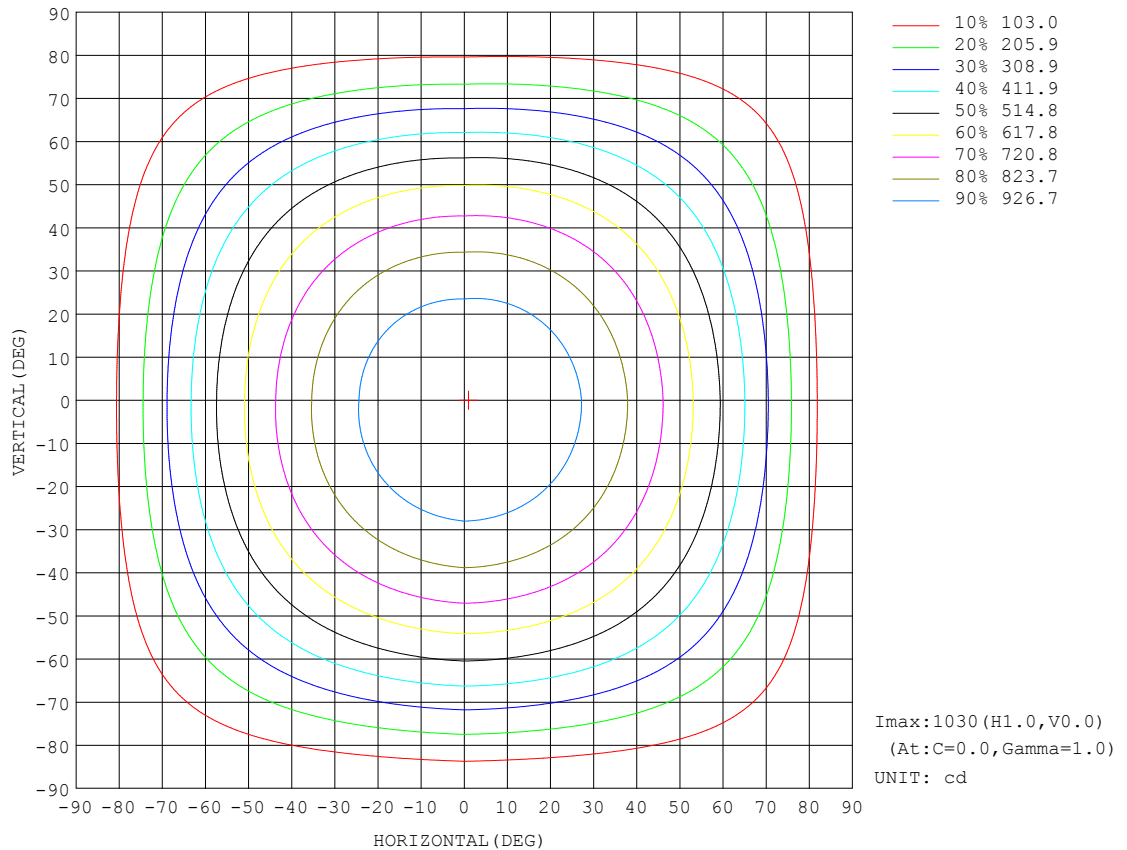
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 57 | 45 | 38 | 56 | 45 | 38 | 55 | 44 | 38 | 31 |
| 0.80 | 67 | 55 | 47 | 66 | 54 | 47 | 64 | 54 | 47 | 40 |
| 1.00 | 75 | 64 | 56 | 74 | 63 | 56 | 72 | 65 | 56 | 48 |
| 1.25 | 82 | 72 | 64 | 81 | 71 | 64 | 78 | 69 | 63 | 56 |
| 1.50 | 87 | 77 | 70 | 86 | 76 | 70 | 83 | 74 | 69 | 61 |
| 2.00 | 94 | 86 | 79 | 92 | 84 | 78 | 89 | 82 | 77 | 69 |
| 2.50 | 98 | 90 | 84 | 96 | 89 | 83 | 92 | 86 | 81 | 73 |
| 3.00 | 102 | 95 | 89 | 99 | 93 | 88 | 95 | 90 | 86 | 77 |
| 4.00 | 106 | 100 | 95 | 103 | 98 | 94 | 99 | 95 | 91 | 82 |
| 5.00 | 108 | 103 | 99 | 106 | 101 | 98 | 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:2023-09-22

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:1.1920A P:28.609W PF:1.0000 Freq:0Hz Lamp Flux:3095.74x1 lm | | |
| NAME: LST-50K | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 29W | DIM.: 480*240 (MM) | Serial No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.24*0.48 | Shielding Angle: 120 |

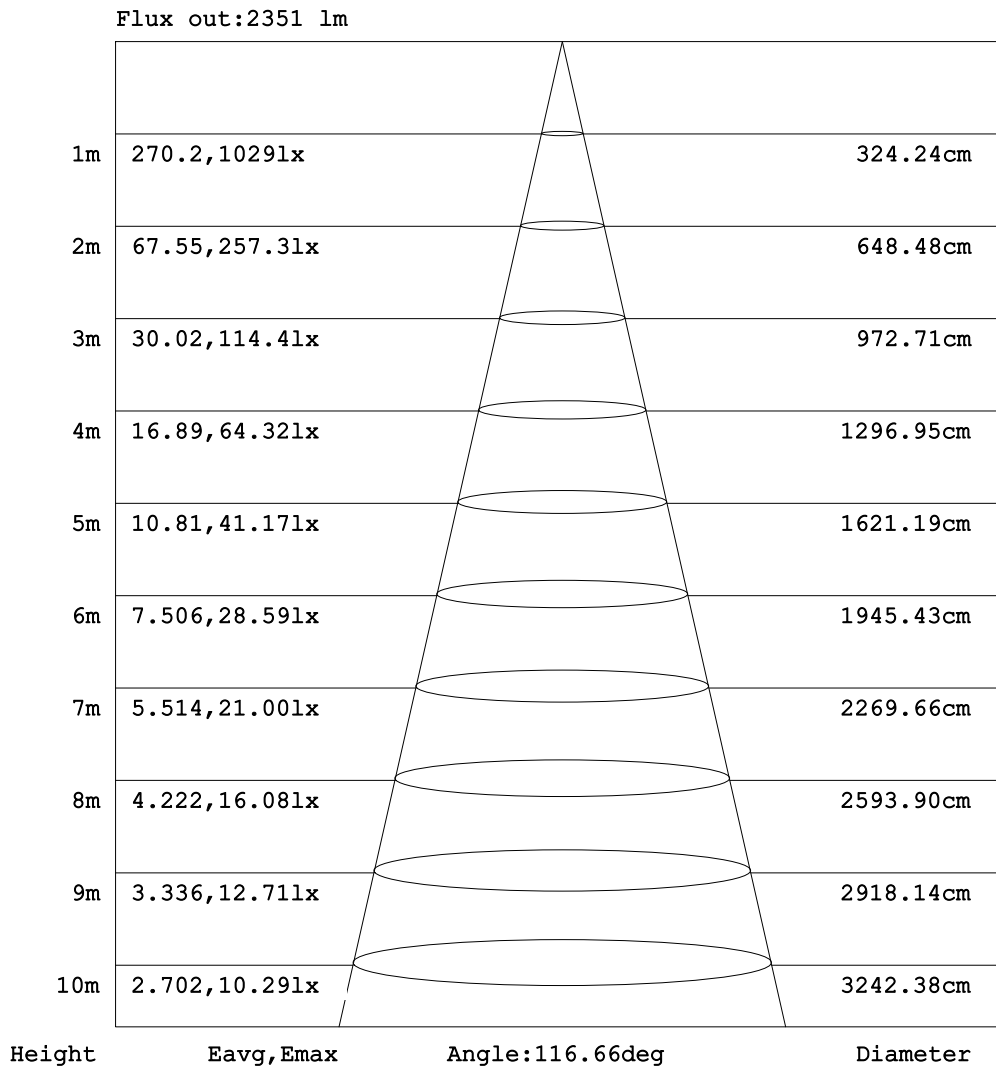


C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2023-09-22

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:1.1920A P:28.609W PF:1.0000 Freq:0Hz Lamp Flux:3095.74x1 lm | | |
| NAME: LST-50K | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 29W | DIM.: 480*240 (MM) | Serial No.: 001 |
| MFR.: Flexfire LEDs, Inc. | SUR.: 0.24*0.48 | Shielding Angle: 120 |



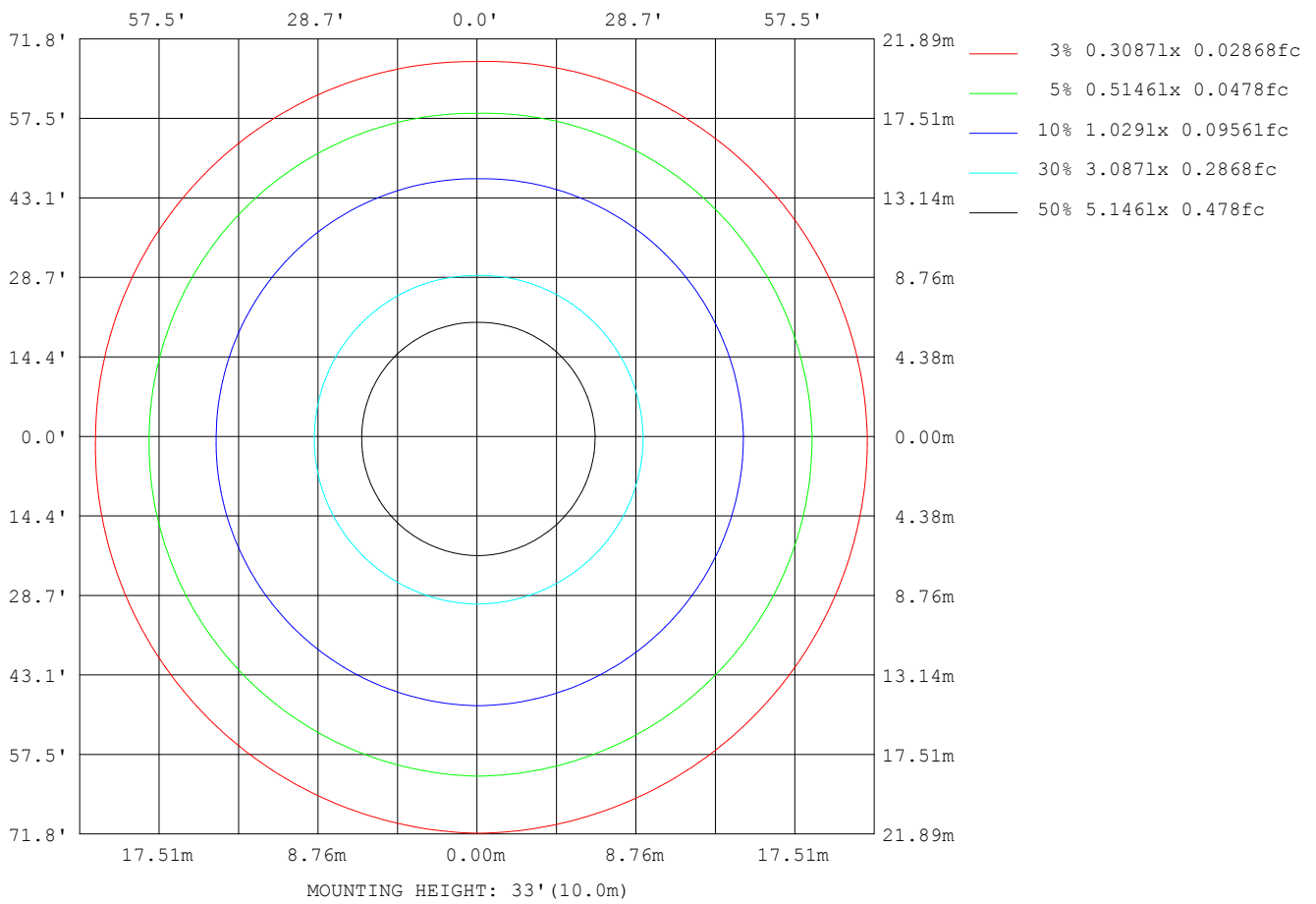
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2023-09-22

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:1.1920A P:28.609W PF:1.0000 Freq:0Hz Lamp Flux:3095.74x1 lm | | |
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 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:1.1920A P:28.609W PF:1.0000 Freq:0Hz Lamp Flux:3095.74x1 lm | | |
| NAME: LST-50K | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 29W | DIM.: 480*240 (MM) | Serial No.: 001 |
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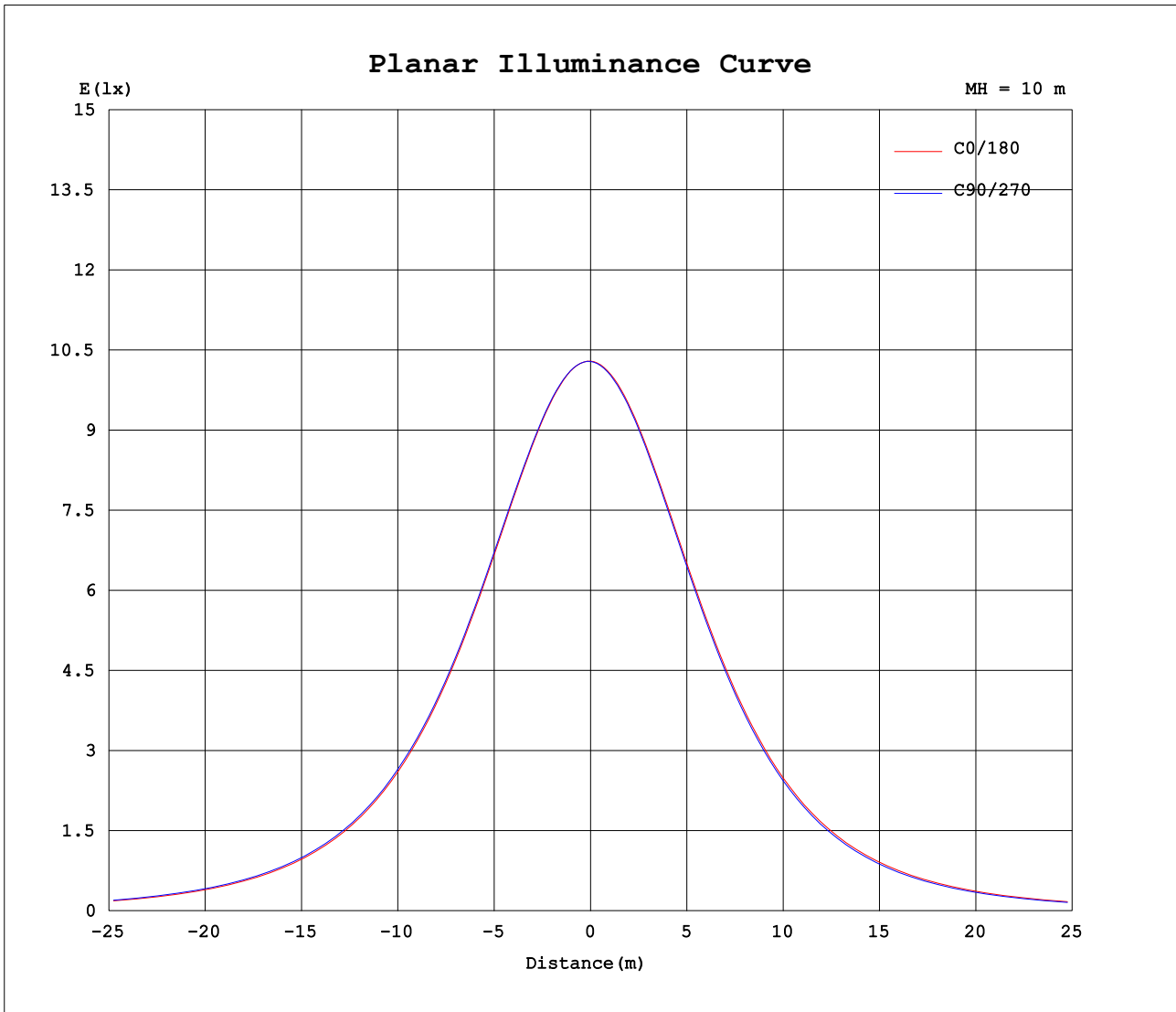
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 8152 |
| L_0~180 (75) av | 7018 |
| L_0~180 (85) av | 5029 |
| L_90~270 (65) av | 8143 |
| L_90~270 (75) av | 7150 |
| L_90~270 (85) av | 5974 |
| L_45 (65) av | 8125 |
| L_45 (75) av | 7073 |
| L_45 (85) av | 5574 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2023-09-22

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: 2023-09-22

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

| | | |
|--|--------------------|----------------------|
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| NAME: LST-50K | TYPE: LED Sheet | WEIGHT: |
| SPEC.: 29W | 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 | 1029 | 1029 | 1029 | 1029 | | | | | | | | | | | | | | | |
| 5 | 1028 | 1028 | 1023 | 1021 | | | | | | | | | | | | | | | |
| 10 | 1019 | 1021 | 1009 | 1006 | | | | | | | | | | | | | | | |
| 15 | 1002 | 1005 | 988 | 983 | | | | | | | | | | | | | | | |
| 20 | 976 | 981 | 959 | 953 | | | | | | | | | | | | | | | |
| 25 | 943 | 950 | 922 | 915 | | | | | | | | | | | | | | | |
| 30 | 903 | 911 | 879 | 869 | | | | | | | | | | | | | | | |
| 35 | 855 | 864 | 828 | 816 | | | | | | | | | | | | | | | |
| 40 | 799 | 810 | 770 | 756 | | | | | | | | | | | | | | | |
| 45 | 736 | 750 | 704 | 689 | | | | | | | | | | | | | | | |
| 50 | 665 | 680 | 632 | 615 | | | | | | | | | | | | | | | |
| 55 | 588 | 604 | 554 | 535 | | | | | | | | | | | | | | | |
| 60 | 503 | 523 | 470 | 449 | | | | | | | | | | | | | | | |
| 65 | 413 | 436 | 381 | 357 | | | | | | | | | | | | | | | |
| 70 | 318 | 343 | 288 | 265 | | | | | | | | | | | | | | | |
| 75 | 222 | 251 | 196 | 176 | | | | | | | | | | | | | | | |
| 80 | 133 | 162 | 112 | 96.8 | | | | | | | | | | | | | | | |
| 85 | 57.8 | 84.5 | 43.1 | 35.5 | | | | | | | | | | | | | | | |
| 90 | 9.53 | 27.4 | 3.63 | 0.96 | | | | | | | | | | | | | | | |
| 95 | 0.98 | 0.95 | 1.22 | 1.01 | | | | | | | | | | | | | | | |
| 100 | 1.18 | 1.12 | 1.37 | 1.24 | | | | | | | | | | | | | | | |
| 105 | 1.31 | 1.36 | 1.65 | 1.53 | | | | | | | | | | | | | | | |
| 110 | 1.61 | 1.64 | 1.98 | 1.88 | | | | | | | | | | | | | | | |
| 115 | 1.92 | 1.93 | 2.30 | 2.14 | | | | | | | | | | | | | | | |
| 120 | 2.28 | 2.23 | 2.64 | 2.45 | | | | | | | | | | | | | | | |
| 125 | 2.51 | 2.55 | 2.96 | 2.75 | | | | | | | | | | | | | | | |
| 130 | 2.82 | 2.82 | 3.25 | 3.02 | | | | | | | | | | | | | | | |
| 135 | 3.08 | 3.13 | 3.50 | 3.29 | | | | | | | | | | | | | | | |
| 140 | 3.34 | 3.41 | 3.76 | 3.51 | | | | | | | | | | | | | | | |
| 145 | 3.60 | 3.65 | 3.99 | 3.72 | | | | | | | | | | | | | | | |
| 150 | 3.81 | 3.90 | 4.14 | 3.95 | | | | | | | | | | | | | | | |
| 155 | 3.98 | 4.11 | 4.34 | 4.08 | | | | | | | | | | | | | | | |
| 160 | 4.17 | 4.29 | 4.46 | 4.27 | | | | | | | | | | | | | | | |
| 165 | 4.33 | 4.51 | 4.57 | 4.47 | | | | | | | | | | | | | | | |
| 170 | 4.47 | 4.66 | 4.63 | 4.61 | | | | | | | | | | | | | | | |
| 175 | 4.57 | 4.73 | 4.66 | 4.70 | | | | | | | | | | | | | | | |
| 180 | 4.66 | 4.72 | 4.67 | 4.73 | | | | | | | | | | | | | | | |

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 C Interval: 90.0DEG
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