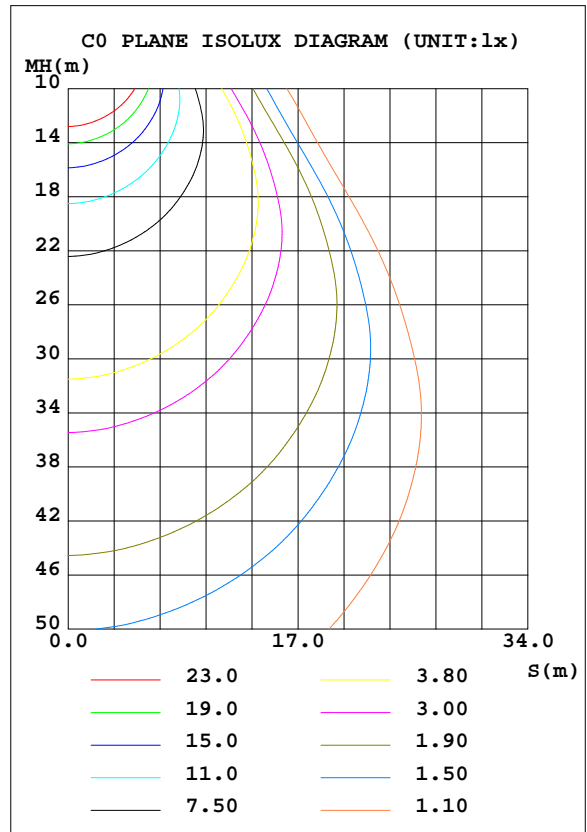
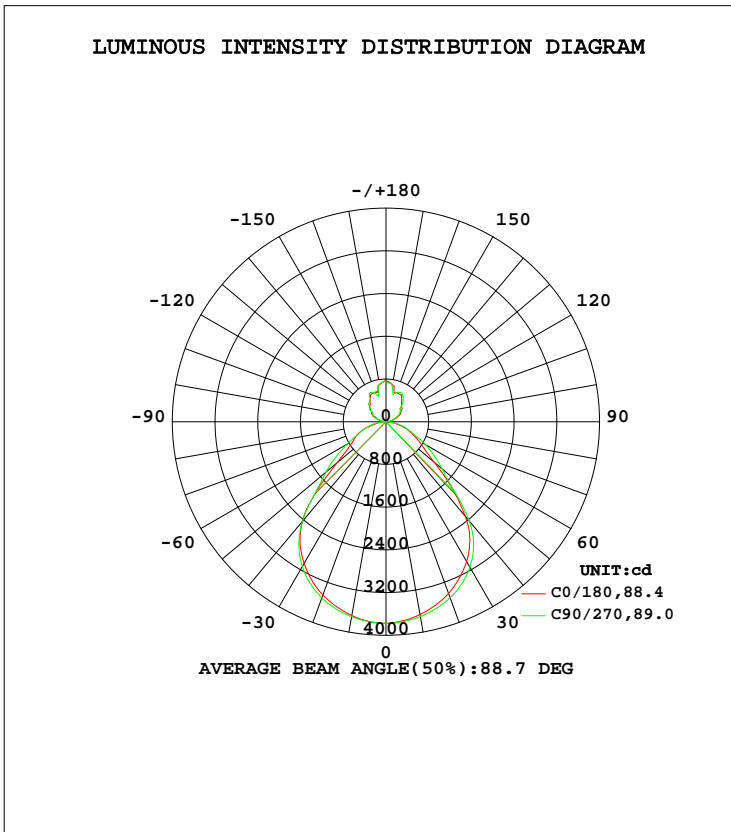


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|----------|---------------------|
| Test:U:230.00V I:0.4158A P:91.822W PF:0.9602 Freq:50.01Hz Lamp Flux:9719.94x1 lm | | |
| NAME: | TYPE:LED | WEIGHT:N/A |
| SPEC.:N/A | DIM.: | SERIAL No.:N/A |
| MFR.: Shenzhen Hairun Optoelectronics Co., Ltd | SUR.: | Shielding Angle:N/A |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 105.86 lm/W | | | |
|------------------|---------------|-----------------------------------|---------|--------------------|----------|
| MODEL | HR-PLF0900-90 | I _{max} (cd) | 3776 | S/MH(C0/180) | 1.21 |
| NOMINAL POWER(W) | 90 | LOR(%) | 100.0 | S/MH(C90/270) | 1.23 |
| RATED VOLTAGE(V) | 230 | TOTAL FLUX(lm) | 9719.9 | η UP, DN(C0-180) | 9.5,40.1 |
| NOMINAL FLUX(lm) | 9719.94 | CIE CLASS | SEMI-D. | η UP, DN(C180-360) | 9.6,40.7 |
| LAMPS INSIDE | 1 | η up(%) | 19.1 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 230 | η down(%) | 80.9 | CIBSE SHR MAX | 1.30 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2019-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.7%
 Test Distance:26.000m [K=1.3952]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|------------|
| 10 | 3666 | 3682 | 3705 | 3691 | 3686 | 3696 | 3707 | 3682 | 0- 10 | 356.1 | 356.1 | 3.66,3.66 |
| 20 | 3425 | 3452 | 3509 | 3470 | 3454 | 3473 | 3511 | 3454 | 10- 20 | 1014 | 1370 | 14.1,14.1 |
| 30 | 3022 | 3051 | 3143 | 3084 | 3066 | 3081 | 3134 | 3047 | 20- 30 | 1517 | 2887 | 29.7,29.7 |
| 40 | 2310 | 2334 | 2423 | 2414 | 2439 | 2392 | 2436 | 2339 | 30- 40 | 1733 | 4619 | 47.5,47.5 |
| 50 | 1182 | 1401 | 1376 | 1097 | 1196 | 1418 | 1464 | 1192 | 40- 50 | 1388 | 6007 | 61.8,61.8 |
| 60 | 701.4 | 760.8 | 853.8 | 670.9 | 707.5 | 850.8 | 838.5 | 696.3 | 50- 60 | 901.4 | 6909 | 71.1,71.1 |
| 70 | 425.4 | 388.4 | 444.5 | 423.9 | 469.8 | 393.5 | 471.0 | 412.8 | 60- 70 | 568.0 | 7477 | 76.9,76.9 |
| 80 | 161.5 | 168.1 | 203.1 | 152.7 | 178.5 | 190.7 | 217.6 | 167.8 | 70- 80 | 309.5 | 7786 | 80.1,80.1 |
| 90 | 3.335 | 3.132 | 1.962 | 3.271 | 4.402 | 3.902 | 2.370 | 4.058 | 80- 90 | 74.10 | 7860 | 80.9,80.9 |
| 100 | 82.28 | 80.04 | 71.77 | 75.73 | 74.46 | 75.80 | 73.72 | 77.71 | 90-100 | 38.55 | 7899 | 81.3,81.3 |
| 110 | 200.3 | 196.8 | 179.0 | 196.0 | 192.4 | 198.2 | 181.2 | 197.2 | 100-110 | 140.9 | 8040 | 82.7,82.7 |
| 120 | 325.8 | 288.5 | 288.1 | 285.6 | 316.9 | 283.9 | 289.3 | 284.3 | 110-120 | 238.2 | 8278 | 85.2,85.2 |
| 130 | 397.1 | 376.3 | 365.3 | 380.2 | 390.6 | 383.4 | 386.7 | 371.5 | 120-130 | 293.5 | 8571 | 88.2,88.2 |
| 140 | 455.6 | 460.4 | 498.3 | 470.2 | 471.3 | 471.8 | 488.7 | 473.1 | 130-140 | 322.1 | 8894 | 91.5,91.5 |
| 150 | 578.4 | 523.3 | 608.1 | 511.4 | 580.6 | 546.4 | 619.9 | 560.4 | 140-150 | 322.3 | 9216 | 94.8,94.8 |
| 160 | 584.9 | 568.2 | 588.9 | 556.7 | 588.9 | 586.7 | 558.6 | 532.9 | 150-160 | 265.1 | 9481 | 97.5,97.5 |
| 170 | 704.7 | 715.5 | 675.1 | 698.1 | 705.4 | 712.1 | 713.8 | 709.8 | 160-170 | 169.3 | 9650 | 99.3,99.3 |
| 180 | 763.4 | 751.0 | 748.3 | 746.5 | 766.9 | 753.8 | 752.8 | 746.9 | 170-180 | 69.69 | 9720 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 5392 lm

%lum = 55.5%
%lamp = 55.5%

Conical surface Flux(120deg): 6908.6 lm

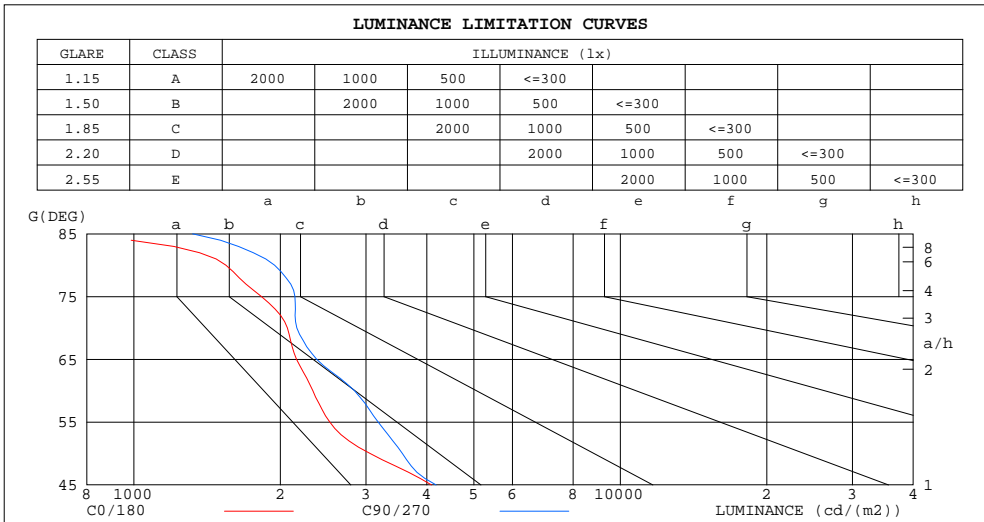
%lum = 71.1%
%lamp = 71.1%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:William
Test Date:2019-08-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:65.7%
Test Distance:26.000m [K=1.3952]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|----------|---------------------|
| Test:U:230.00V I:0.4158A P:91.822W PF:0.9602 Freq:50.01Hz Lamp Flux:9719.94x1 lm | | |
| NAME: | TYPE:LED | WEIGHT:N/A |
| SPEC.:N/A | DIM.: | SERIAL No.:N/A |
| MFR.: Shenzhen Hairun Optoelectronics Co., Ltd | SUR.: | Shielding Angle:N/A |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 713 | 1320 |
| 80 | 1546 | 1946 |
| 75 | 1830 | 2143 |
| 70 | 2068 | 2162 |
| 65 | 2160 | 2376 |
| 60 | 2332 | 2841 |
| 55 | 2527 | 3179 |
| 50 | 3057 | 3563 |
| 45 | 4092 | 4181 |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: William
 Test Date: 2019-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3952]
 Remarks:

WEC AND CCEC

| | | |
|--|----------|---------------------|
| Test:U:230.00V I:0.4158A P:91.822W PF:0.9602 Freq:50.01Hz Lamp Flux:9719.94x1 lm | | |
| NAME: | TYPE:LED | WEIGHT:N/A |
| SPEC.:N/A | DIM.: | SERIAL No.:N/A |
| MFR.: Shenzhen Hairun Optoelectronics Co., Ltd | SUR.: | Shielding Angle:N/A |

| 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 | .261 | .148 | .047 | .248 | .142 | .045 | .224 | .129 | .041 | .203 | .117 | .037 | .182 | .106 | .034 | |
| 2.0 | .248 | .136 | .042 | .236 | .130 | .040 | .215 | .120 | .037 | .195 | .110 | .034 | .177 | .100 | .032 | |
| 3.0 | .232 | .123 | .037 | .222 | .119 | .036 | .202 | .110 | .033 | .185 | .101 | .031 | .168 | .093 | .029 | |
| 4.0 | .217 | .113 | .033 | .207 | .109 | .032 | .190 | .101 | .030 | .174 | .093 | .028 | .159 | .086 | .026 | |
| 5.0 | .202 | .103 | .030 | .194 | .100 | .029 | .178 | .093 | .027 | .163 | .086 | .026 | .150 | .080 | .024 | |
| 6.0 | .190 | .095 | .027 | .182 | .092 | .026 | .167 | .086 | .025 | .154 | .080 | .024 | .141 | .074 | .022 | |
| 7.0 | .178 | .088 | .025 | .171 | .085 | .024 | .158 | .080 | .023 | .145 | .074 | .022 | .133 | .069 | .020 | |
| 8.0 | .167 | .082 | .023 | .161 | .079 | .022 | .149 | .074 | .021 | .137 | .070 | .020 | .126 | .065 | .019 | |
| 9.0 | .158 | .076 | .021 | .152 | .074 | .021 | .141 | .070 | .020 | .130 | .065 | .019 | .120 | .061 | .018 | |
| 10.0 | .149 | .072 | .020 | .144 | .069 | .019 | .133 | .065 | .018 | .123 | .061 | .017 | .114 | .057 | .016 | |

| 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 | .336 | .336 | .336 | .287 | .287 | .287 | .196 | .196 | .196 | .113 | .113 | .113 | .036 | .036 | .036 | |
| 1.0 | .324 | .304 | .285 | .277 | .261 | .245 | .190 | .179 | .170 | .109 | .104 | .099 | .035 | .033 | .032 | |
| 2.0 | .314 | .280 | .251 | .269 | .241 | .217 | .184 | .167 | .152 | .106 | .097 | .089 | .034 | .031 | .029 | |
| 3.0 | .306 | .263 | .228 | .262 | .227 | .198 | .180 | .157 | .139 | .104 | .092 | .082 | .033 | .030 | .027 | |
| 4.0 | .298 | .250 | .213 | .256 | .216 | .185 | .176 | .150 | .130 | .102 | .088 | .077 | .033 | .029 | .025 | |
| 5.0 | .291 | .239 | .201 | .250 | .207 | .175 | .172 | .145 | .124 | .100 | .085 | .073 | .032 | .028 | .024 | |
| 6.0 | .284 | .231 | .193 | .245 | .200 | .168 | .169 | .140 | .119 | .098 | .082 | .071 | .032 | .027 | .023 | |
| 7.0 | .278 | .224 | .187 | .239 | .195 | .163 | .165 | .136 | .115 | .096 | .080 | .069 | .031 | .026 | .023 | |
| 8.0 | .272 | .219 | .182 | .235 | .190 | .159 | .162 | .133 | .113 | .094 | .079 | .067 | .031 | .026 | .022 | |
| 9.0 | .267 | .214 | .178 | .230 | .186 | .156 | .159 | .131 | .110 | .093 | .077 | .066 | .030 | .025 | .022 | |
| 10.0 | .262 | .210 | .175 | .226 | .182 | .153 | .157 | .128 | .109 | .091 | .076 | .065 | .030 | .025 | .022 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2019-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.7%
 Test Distance:26.000m [K=1.3952]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|----------|----------------|------|---------------------|------|------|
| Test:U:230.00V I:0.4158A P:91.822W PF:0.9602 Freq:50.01Hz Lamp Flux:9719.94x1 lm | | | | | | | | | | |
| NAME: | | | | | TYPE:LED | | | WEIGHT:N/A | | |
| SPEC.:N/A | | | | | DIM.: | | | SERIAL No.:N/A | | |
| MFR.: Shenzhen Hairun Optoelectronics Co., Ltd | | | | | SUR.: | | | Shielding Angle:N/A | | |
| 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 | 14.6 | 15.8 | 15.2 | 16.3 | 16.8 | 14.8 | 15.9 | 15.3 | 16.4 | 17.0 |
| 3H | 15.5 | 16.5 | 16.0 | 17.0 | 17.6 | 15.6 | 16.6 | 16.1 | 17.2 | 17.7 |
| 4H | 15.8 | 16.8 | 16.4 | 17.3 | 18.0 | 16.0 | 16.9 | 16.5 | 17.5 | 18.1 |
| 6H | 16.1 | 17.0 | 16.6 | 17.5 | 18.2 | 16.3 | 17.2 | 16.9 | 17.8 | 18.4 |
| 8H | 16.1 | 17.0 | 16.7 | 17.5 | 18.2 | 16.4 | 17.3 | 17.0 | 17.8 | 18.5 |
| 12H | 16.1 | 16.9 | 16.7 | 17.5 | 18.2 | 16.4 | 17.2 | 17.0 | 17.8 | 18.5 |
| 4H 2H | 14.9 | 15.8 | 15.4 | 16.4 | 17.0 | 15.0 | 16.0 | 15.5 | 16.5 | 17.1 |
| 3H | 15.9 | 16.7 | 16.5 | 17.3 | 18.0 | 16.0 | 16.8 | 16.6 | 17.4 | 18.0 |
| 4H | 16.4 | 17.1 | 17.0 | 17.7 | 18.4 | 16.4 | 17.2 | 17.0 | 17.8 | 18.5 |
| 6H | 16.7 | 17.4 | 17.4 | 18.0 | 18.7 | 16.8 | 17.5 | 17.5 | 18.1 | 18.9 |
| 8H | 16.8 | 17.4 | 17.5 | 18.0 | 18.8 | 17.0 | 17.6 | 17.6 | 18.2 | 19.0 |
| 12H | 16.8 | 17.3 | 17.5 | 18.0 | 18.8 | 17.0 | 17.6 | 17.7 | 18.2 | 19.0 |
| 8H 4H | 16.5 | 17.1 | 17.1 | 17.7 | 18.5 | 16.5 | 17.1 | 17.2 | 17.8 | 18.5 |
| 6H | 16.9 | 17.4 | 17.6 | 18.1 | 18.9 | 17.0 | 17.5 | 17.7 | 18.2 | 19.0 |
| 8H | 17.1 | 17.5 | 17.8 | 18.2 | 19.0 | 17.2 | 17.7 | 17.9 | 18.4 | 19.2 |
| 12H | 17.1 | 17.4 | 17.8 | 18.2 | 19.0 | 17.3 | 17.7 | 18.1 | 18.4 | 19.3 |
| 12H 4H | 16.4 | 17.0 | 17.1 | 17.7 | 18.5 | 16.5 | 17.0 | 17.2 | 17.7 | 18.5 |
| 6H | 16.9 | 17.4 | 17.6 | 18.1 | 18.9 | 17.0 | 17.5 | 17.8 | 18.2 | 19.0 |
| 8H | 17.1 | 17.4 | 17.8 | 18.2 | 19.0 | 17.2 | 17.6 | 18.0 | 18.3 | 19.2 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.5 / - 0.6 | | | | | + 0.4 / - 0.5 | | | | |
| 1.5H | + 0.3 / - 0.6 | | | | | + 0.4 / - 0.4 | | | | |
| 2.0H | + 0.8 / - 0.8 | | | | | + 0.8 / - 0.6 | | | | |

CIE Pub.117, 9720 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 7.9)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2019-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.7%
 Test Distance:26.000m [K=1.3952]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|----------|---------------------|
| Test:U:230.00V I:0.4158A P:91.822W PF:0.9602 Freq:50.01Hz Lamp Flux:9719.94x1 lm | | |
| NAME: | TYPE:LED | WEIGHT:N/A |
| SPEC.:N/A | DIM.: | SERIAL No.:N/A |
| MFR.: Shenzhen Hairun Optoelectronics Co., Ltd | SUR.: | Shielding Angle:N/A |

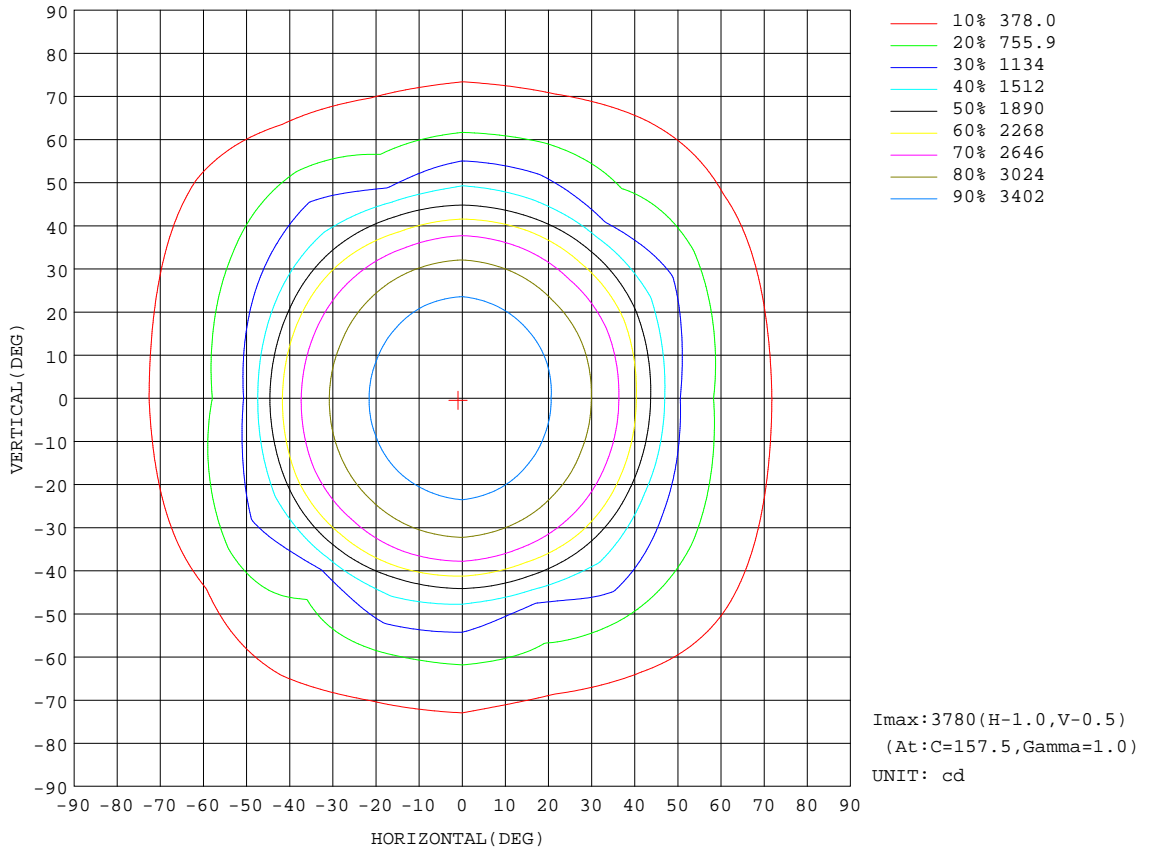
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 59 | 49 | 43 | 58 | 48 | 42 | 55 | 47 | 42 | 35 |
| 0.80 | 69 | 58 | 52 | 67 | 57 | 51 | 64 | 55 | 50 | 43 |
| 1.00 | 76 | 66 | 60 | 74 | 65 | 59 | 70 | 64 | 57 | 49 |
| 1.25 | 83 | 73 | 67 | 80 | 72 | 66 | 75 | 69 | 64 | 55 |
| 1.50 | 87 | 78 | 72 | 84 | 77 | 71 | 79 | 73 | 68 | 58 |
| 2.00 | 93 | 86 | 80 | 90 | 83 | 78 | 84 | 79 | 74 | 63 |
| 2.50 | 97 | 90 | 84 | 93 | 87 | 82 | 87 | 82 | 78 | 66 |
| 3.00 | 100 | 93 | 88 | 96 | 90 | 86 | 89 | 85 | 81 | 68 |
| 4.00 | 103 | 98 | 94 | 99 | 95 | 91 | 92 | 88 | 85 | 71 |
| 5.00 | 105 | 101 | 97 | 101 | 97 | 94 | 93 | 91 | 88 | 73 |
| 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:24.5DEG
 Operators:William
 Test Date:2019-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.7%
 Test Distance:26.000m [K=1.3952]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|----------|---------------------|
| Test:U:230.00V I:0.4158A P:91.822W PF:0.9602 Freq:50.01Hz Lamp Flux:9719.94x1 lm | | |
| NAME: | TYPE:LED | WEIGHT:N/A |
| SPEC.:N/A | DIM.: | SERIAL No.:N/A |
| MFR.: Shenzhen Hairun Optoelectronics Co., Ltd | SUR.: | Shielding Angle:N/A |

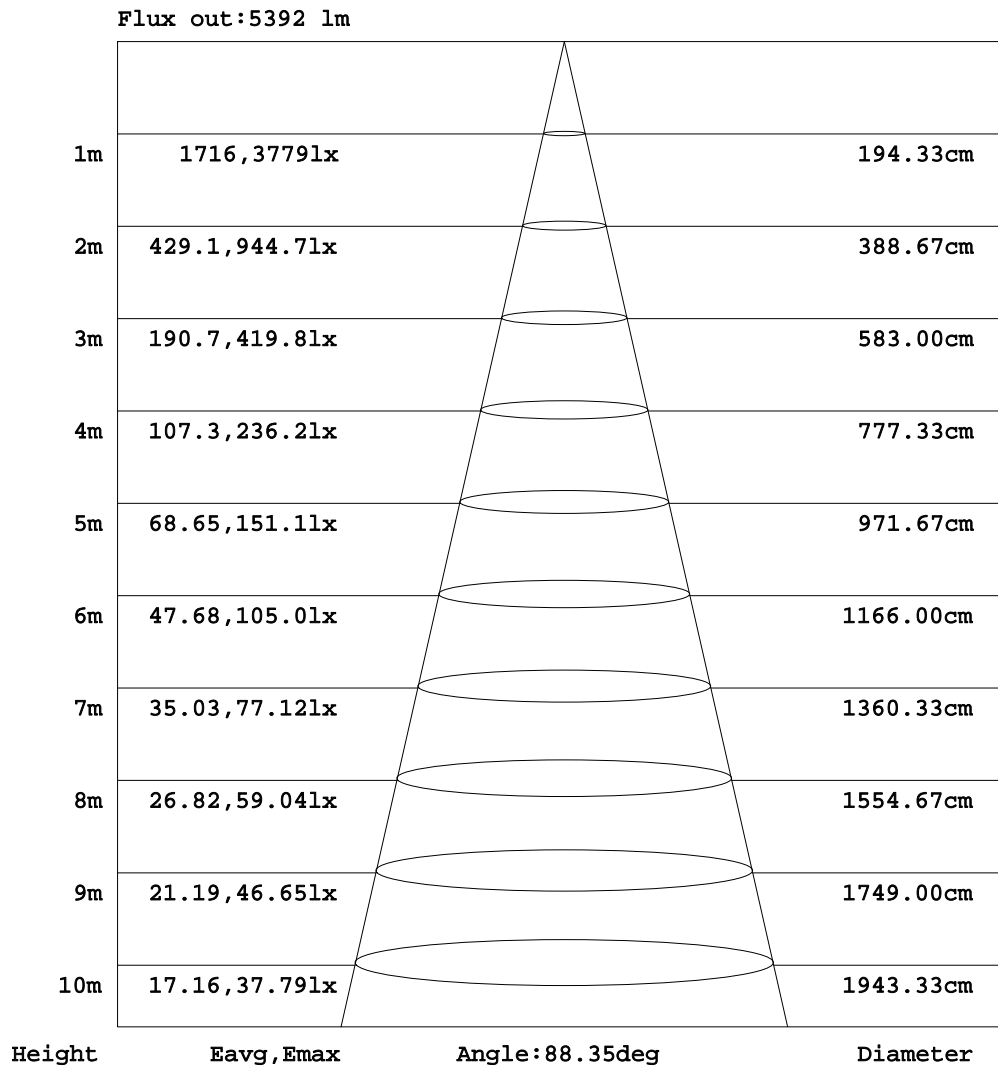


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: William
 Test Date: 2019-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3952]
 Remarks:

AAI Figure

| | | |
|--|----------|---------------------|
| Test:U:230.00V I:0.4158A P:91.822W PF:0.9602 Freq:50.01Hz Lamp Flux:9719.94x1 lm | | |
| NAME: | TYPE:LED | WEIGHT:N/A |
| SPEC.:N/A | DIM.: | SERIAL No.:N/A |
| MFR.: Shenzhen Hairun Optoelectronics Co., Ltd | SUR.: | Shielding Angle:N/A |

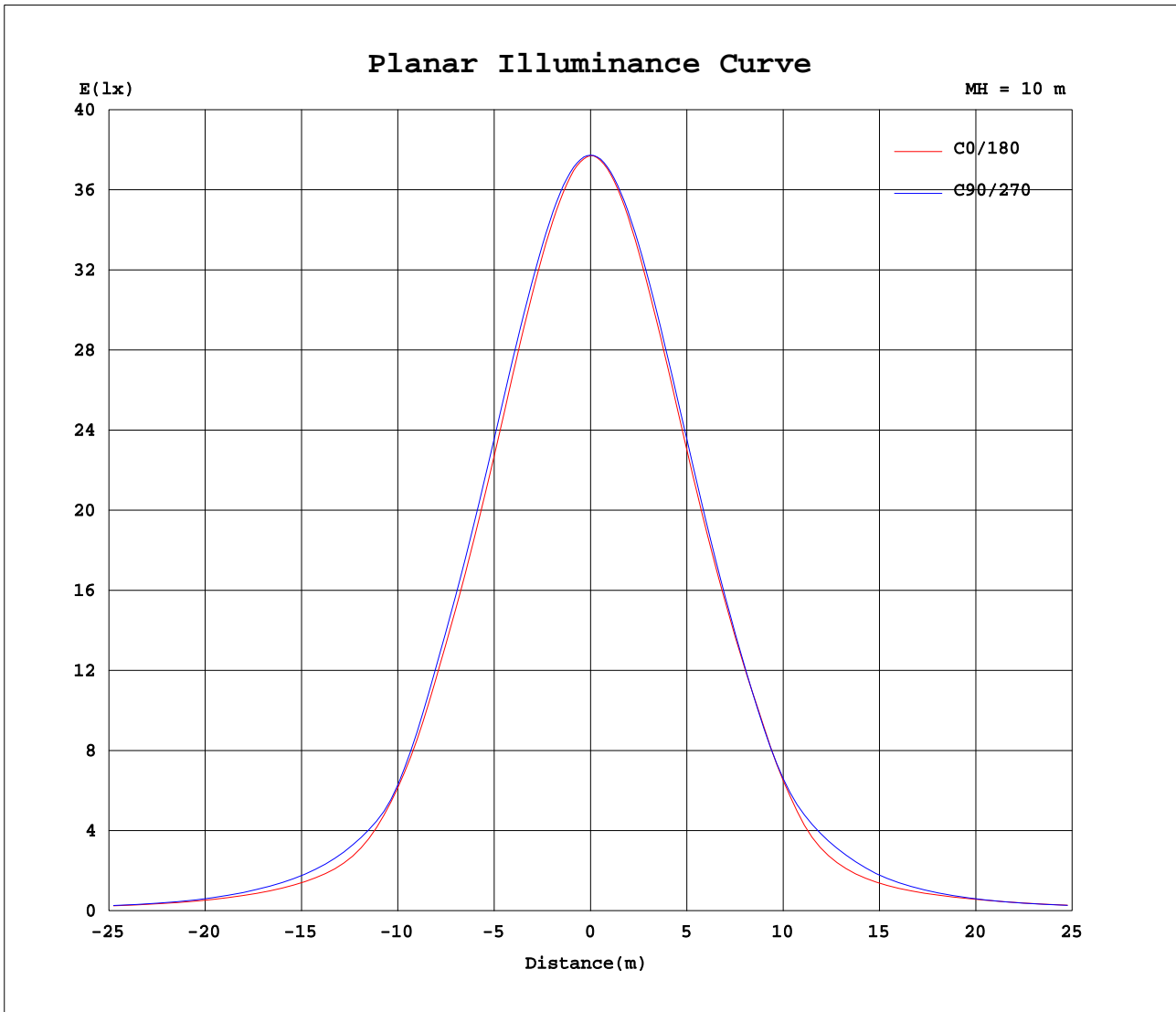


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2019-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.7%
 Test Distance:26.000m [K=1.3952]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: William
Test Date: 2019-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity: 65.7%
Test Distance: 26.000m [K=1.3952]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|----------|---------------------|
| Test:U:230.00V I:0.4158A P:91.822W PF:0.9602 Freq:50.01Hz Lamp Flux:9719.94x1 lm | | |
| NAME: | TYPE:LED | WEIGHT:N/A |
| SPEC.:N/A | DIM.: | SERIAL No.:N/A |
| MFR.: Shenzhen Hairun Optoelectronics Co., Ltd | SUR.: | Shielding Angle:N/A |

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 | 3774 | 3774 | 3774 | 3774 | 3774 | 3774 | 3774 | 3774 | 3774 | 3774 | 3774 | 3774 | 3774 | 3774 | 3774 | 3774 | | | |
| 5 | 3741 | 3743 | 3746 | 3750 | 3756 | 3757 | 3755 | 3755 | 3751 | 3754 | 3757 | 3758 | 3757 | 3752 | 3747 | 3746 | | | |
| 10 | 3666 | 3673 | 3682 | 3694 | 3705 | 3702 | 3691 | 3687 | 3686 | 3692 | 3696 | 3707 | 3707 | 3696 | 3682 | 3676 | | | |
| 15 | 3562 | 3565 | 3583 | 3604 | 3622 | 3613 | 3596 | 3586 | 3584 | 3589 | 3600 | 3619 | 3628 | 3605 | 3585 | 3572 | | | |
| 20 | 3425 | 3431 | 3452 | 3482 | 3509 | 3491 | 3470 | 3454 | 3454 | 3458 | 3473 | 3499 | 3511 | 3482 | 3454 | 3437 | | | |
| 25 | 3240 | 3249 | 3277 | 3316 | 3351 | 3325 | 3305 | 3282 | 3282 | 3284 | 3306 | 3333 | 3350 | 3317 | 3283 | 3257 | | | |
| 30 | 3022 | 3026 | 3051 | 3097 | 3143 | 3117 | 3084 | 3068 | 3066 | 3059 | 3081 | 3108 | 3134 | 3094 | 3047 | 3038 | | | |
| 35 | 2739 | 2736 | 2757 | 2798 | 2859 | 2842 | 2805 | 2807 | 2803 | 2784 | 2787 | 2802 | 2845 | 2800 | 2742 | 2759 | | | |
| 40 | 2310 | 2307 | 2334 | 2323 | 2423 | 2435 | 2414 | 2459 | 2439 | 2412 | 2392 | 2363 | 2436 | 2397 | 2339 | 2375 | | | |
| 45 | 1740 | 1683 | 1731 | 1721 | 1777 | 1762 | 1768 | 1796 | 1841 | 1795 | 1811 | 1823 | 1866 | 1810 | 1774 | 1805 | | | |
| 50 | 1182 | 1265 | 1401 | 1113 | 1376 | 1395 | 1097 | 1382 | 1196 | 1331 | 1418 | 1224 | 1464 | 1383 | 1192 | 1402 | | | |
| 55 | 872 | 977 | 1104 | 851 | 1096 | 1093 | 799 | 1109 | 862 | 980 | 1144 | 903 | 1135 | 1076 | 872 | 1105 | | | |
| 60 | 701 | 764 | 761 | 727 | 854 | 793 | 671 | 835 | 708 | 760 | 851 | 706 | 838 | 808 | 696 | 793 | | | |
| 65 | 549 | 550 | 516 | 558 | 604 | 545 | 593 | 541 | 608 | 579 | 571 | 551 | 607 | 581 | 541 | 542 | | | |
| 70 | 425 | 416 | 388 | 383 | 444 | 405 | 424 | 328 | 470 | 443 | 393 | 406 | 471 | 429 | 413 | 390 | | | |
| 75 | 285 | 290 | 298 | 242 | 333 | 321 | 235 | 250 | 295 | 321 | 283 | 272 | 338 | 308 | 281 | 292 | | | |
| 80 | 161 | 165 | 168 | 166 | 203 | 196 | 153 | 190 | 178 | 190 | 191 | 178 | 218 | 191 | 168 | 198 | | | |
| 85 | 37.4 | 40.1 | 49.1 | 53.5 | 69.2 | 52.0 | 53.1 | 48.7 | 54.8 | 53.5 | 62.4 | 63.3 | 78.8 | 60.1 | 51.5 | 51.3 | | | |
| 90 | 3.34 | 3.25 | 3.13 | 2.60 | 1.96 | 2.78 | 3.27 | 3.66 | 4.40 | 4.42 | 3.90 | 3.32 | 2.37 | 3.18 | 4.06 | 4.49 | | | |
| 95 | 39.3 | 39.4 | 38.1 | 35.4 | 33.6 | 33.8 | 35.8 | 36.5 | 35.2 | 35.5 | 35.2 | 34.0 | 33.6 | 35.1 | 36.5 | 37.4 | | | |
| 100 | 82.3 | 81.6 | 80.0 | 75.7 | 71.8 | 72.8 | 75.7 | 77.1 | 74.5 | 76.6 | 75.8 | 74.7 | 73.7 | 75.2 | 77.7 | 78.7 | | | |
| 105 | 139 | 141 | 139 | 131 | 126 | 130 | 138 | 134 | 133 | 131 | 132 | 132 | 129 | 133 | 138 | 138 | | | |
| 110 | 200 | 197 | 197 | 180 | 179 | 176 | 196 | 209 | 192 | 193 | 198 | 183 | 181 | 181 | 197 | 197 | | | |
| 115 | 262 | 256 | 216 | 223 | 217 | 217 | 216 | 254 | 267 | 269 | 224 | 226 | 224 | 225 | 228 | 256 | | | |
| 120 | 326 | 287 | 289 | 278 | 288 | 282 | 286 | 285 | 317 | 292 | 284 | 273 | 289 | 268 | 284 | 296 | | | |
| 125 | 342 | 344 | 294 | 317 | 339 | 316 | 314 | 338 | 326 | 340 | 321 | 318 | 347 | 324 | 319 | 343 | | | |
| 130 | 397 | 372 | 376 | 311 | 365 | 308 | 380 | 394 | 391 | 398 | 383 | 338 | 387 | 338 | 371 | 374 | | | |
| 135 | 408 | 415 | 432 | 412 | 404 | 408 | 442 | 426 | 431 | 392 | 403 | 448 | 464 | 441 | 395 | 391 | | | |
| 140 | 456 | 433 | 460 | 476 | 498 | 473 | 470 | 448 | 471 | 467 | 472 | 471 | 489 | 465 | 473 | 452 | | | |
| 145 | 516 | 474 | 462 | 543 | 561 | 545 | 468 | 479 | 519 | 536 | 501 | 528 | 514 | 526 | 480 | 526 | | | |
| 150 | 578 | 531 | 523 | 585 | 608 | 591 | 511 | 548 | 581 | 594 | 546 | 570 | 620 | 587 | 560 | 535 | | | |
| 155 | 577 | 553 | 576 | 571 | 606 | 559 | 567 | 542 | 590 | 592 | 549 | 573 | 608 | 586 | 568 | 564 | | | |
| 160 | 585 | 593 | 568 | 584 | 589 | 580 | 557 | 557 | 589 | 594 | 587 | 531 | 559 | 555 | 533 | 593 | | | |
| 165 | 588 | 593 | 551 | 527 | 526 | 521 | 529 | 570 | 573 | 581 | 580 | 573 | 548 | 535 | 573 | 597 | | | |
| 170 | 705 | 713 | 716 | 694 | 675 | 685 | 698 | 715 | 705 | 705 | 712 | 722 | 714 | 716 | 710 | 720 | | | |
| 175 | 742 | 742 | 745 | 732 | 728 | 729 | 739 | 752 | 744 | 743 | 756 | 745 | 740 | 735 | 738 | 746 | | | |
| 180 | 763 | 749 | 751 | 756 | 748 | 747 | 746 | 758 | 767 | 767 | 754 | 748 | 753 | 746 | 747 | 746 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2019-08-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
 Humidity:65.7%
 Test Distance:26.000m [K=1.3952]
 Remarks: