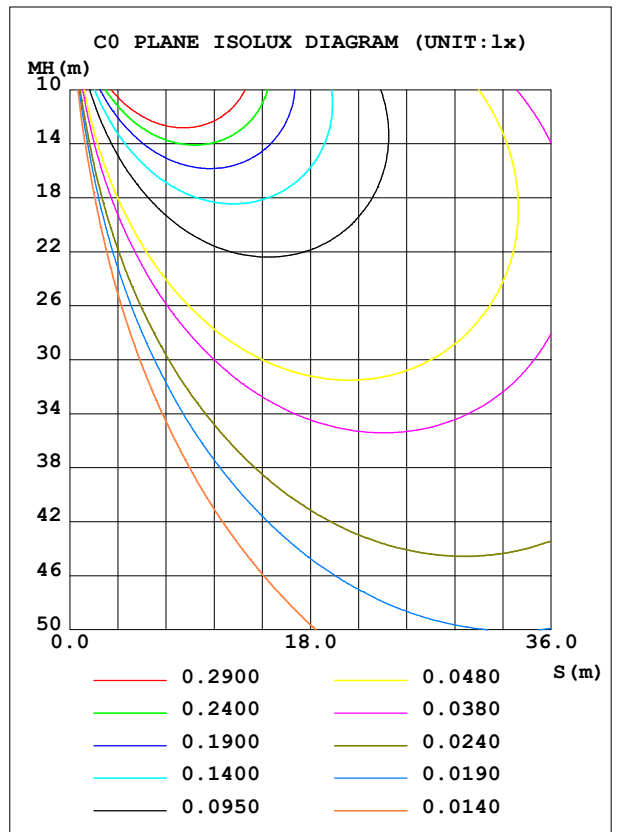
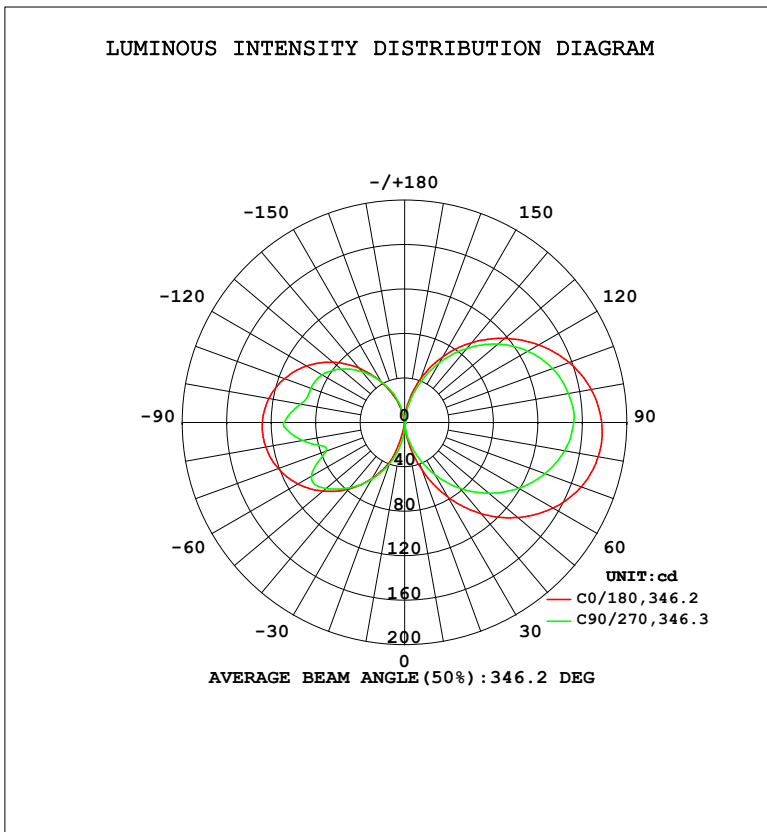


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|-------|------------------|
| Test:U:120.1V I:0.2026A P:24.18W PF:0.9937 Freq:60.01Hz Lamp Flux:1296.57x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-SB002 3500K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 53.63 lm/W |
|-------------------|---------|-----------------------|---------|---------------------|------------|-----------------|
| MODEL | | I _{max} (cd) | 178.1 | S/MH (C0/180) | 14.42 | |
| NOMINAL POWER (W) | | LOR (%) | 100.0 | S/MH (C90/270) | 13.45 | |
| RATED VOLTAGE (V) | 120 | TOTAL FLUX (lm) | 1296.6 | η UP, DN (C0-180) | 26.3, 25.7 | |
| NOMINAL FLUX (lm) | 1296.57 | CIE CLASS | DIFFUSE | η UP, DN (C180-360) | 22.8, 25.2 | |
| LAMPS INSIDE | 1 | η up (%) | 49.1 | CIBSE SHR NOM | 1.25 | |
| TEST VOLTAGE (V) | 120 | η down (%) | 50.9 | CIBSE SHR MAX | 1.35 | |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2 °C
 Operators: Dano
 Test Date: 2023-05-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity: 55.3%
 Test Distance: 2.900m [K=0.8810]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|-----|-----------------------|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|-----------|
| 10 | 14.37 | 5.844 | 9.634 | 9.748 | 1.738 | 21.56 | 19.45 | 11.89 | 0- 10 | 0.5823 | 0.5823 | 0.04,0.04 |
| 20 | 44.66 | 23.95 | 30.41 | 30.85 | 36.44 | 53.90 | 38.94 | 29.54 | 10- 20 | 7.068 | 7.650 | 0.59,0.59 |
| 30 | 77.07 | 47.05 | 54.01 | 54.95 | 57.76 | 81.44 | 58.71 | 52.89 | 20- 30 | 22.07 | 29.72 | 2.29,2.29 |
| 40 | 107.2 | 70.47 | 77.21 | 78.46 | 78.20 | 106.7 | 76.77 | 74.24 | 30- 40 | 44.24 | 73.97 | 5.7,5.7 |
| 50 | 133.1 | 91.80 | 99.08 | 100.4 | 96.20 | 128.7 | 92.46 | 91.98 | 40- 50 | 71.18 | 145.2 | 11.2,11.2 |
| 60 | 154.2 | 109.5 | 118.6 | 119.7 | 110.8 | 146.8 | 96.97 | 105.6 | 50- 60 | 99.03 | 244.2 | 18.8,18.8 |
| 70 | 169.2 | 122.4 | 134.6 | 135.4 | 121.1 | 159.8 | 75.40 | 114.8 | 60- 70 | 122.9 | 367.0 | 28.3,28.3 |
| 80 | 177.0 | 130.3 | 146.1 | 146.6 | 127.0 | 166.9 | 93.39 | 119.3 | 70- 80 | 140.9 | 507.9 | 39.2,39.2 |
| 90 | 177.3 | 132.7 | 152.1 | 152.3 | 128.0 | 167.7 | 108.5 | 119.2 | 80- 90 | 152.0 | 659.9 | 50.9,50.9 |
| 100 | 170.6 | 128.8 | 149.8 | 151.7 | 124.2 | 161.7 | 95.37 | 114.7 | 90-100 | 151.0 | 811.0 | 62.5,62.5 |
| 110 | 157.6 | 119.9 | 141.8 | 144.7 | 115.3 | 149.8 | 89.86 | 105.8 | 100-110 | 139.1 | 950.1 | 73.3,73.3 |
| 120 | 139.5 | 106.7 | 128.2 | 131.7 | 101.8 | 131.9 | 85.88 | 92.89 | 110-120 | 119.7 | 1070 | 82.5,82.5 |
| 130 | 117.8 | 90.35 | 109.7 | 113.4 | 84.39 | 109.2 | 74.98 | 77.17 | 120-130 | 94.48 | 1164 | 89.8,89.8 |
| 140 | 93.80 | 71.07 | 87.14 | 90.70 | 63.90 | 84.00 | 59.66 | 59.36 | 130-140 | 66.77 | 1231 | 94.9,94.9 |
| 150 | 68.00 | 49.76 | 61.59 | 64.77 | 41.94 | 57.35 | 42.06 | 39.50 | 140-150 | 40.42 | 1272 | 98.1,98.1 |
| 160 | 41.40 | 28.10 | 34.68 | 37.40 | 21.48 | 29.41 | 25.26 | 20.26 | 150-160 | 19.13 | 1291 | 99.5,99.5 |
| 170 | 16.43 | 9.813 | 10.50 | 12.07 | 3.200 | 6.359 | 6.502 | 6.053 | 160-170 | 5.522 | 1296 | 100,100 |
| 180 | 0 | 0 | 0.2651 | 0.4052 | 0.2135 | 0.2135 | 0.2465 | 0.3473 | 170-180 | 0.4189 | 1297 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 106.04 lm

%lum = 8.2%

%lamp = 8.2%

Conical surface Flux(120deg): 244.18 lm

%lum = 18.8%

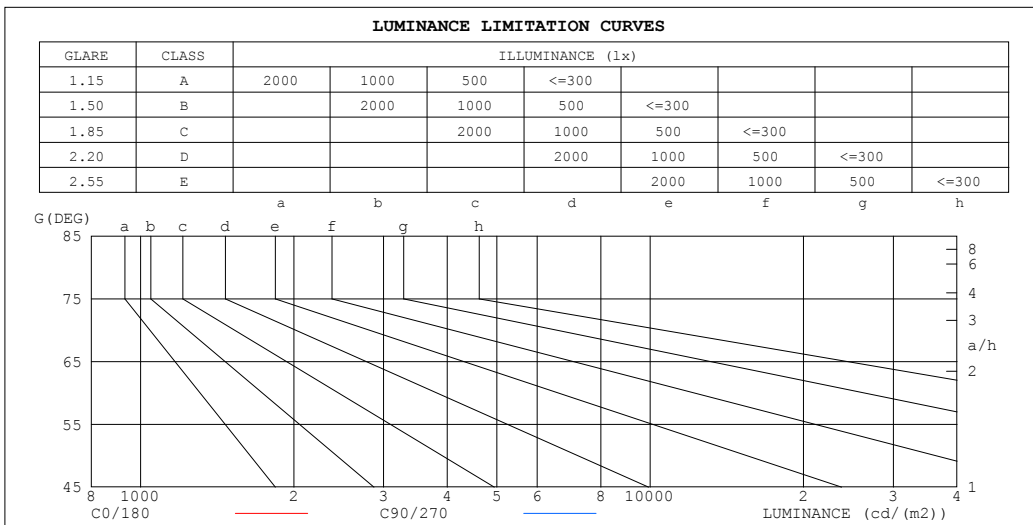
%lamp = 18.8%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2℃
 Operators:Dano
 Test Date:2023-05-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:55.3%
 Test Distance:2.900m [K=0.8810]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|-------|------------------|
| Test:U:120.1V I:0.2026A P:24.18W PF:0.9937 Freq:60.01Hz Lamp Flux:1296.57x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-SB002 3500K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|---------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 1517990 | 1443036 |
| 80 | 757249 | 704845 |
| 75 | 499280 | 456006 |
| 70 | 367526 | 329638 |
| 65 | 285709 | 251806 |
| 60 | 229184 | 198679 |
| 55 | 186867 | 159472 |
| 50 | 153834 | 129114 |
| 45 | 126838 | 104626 |

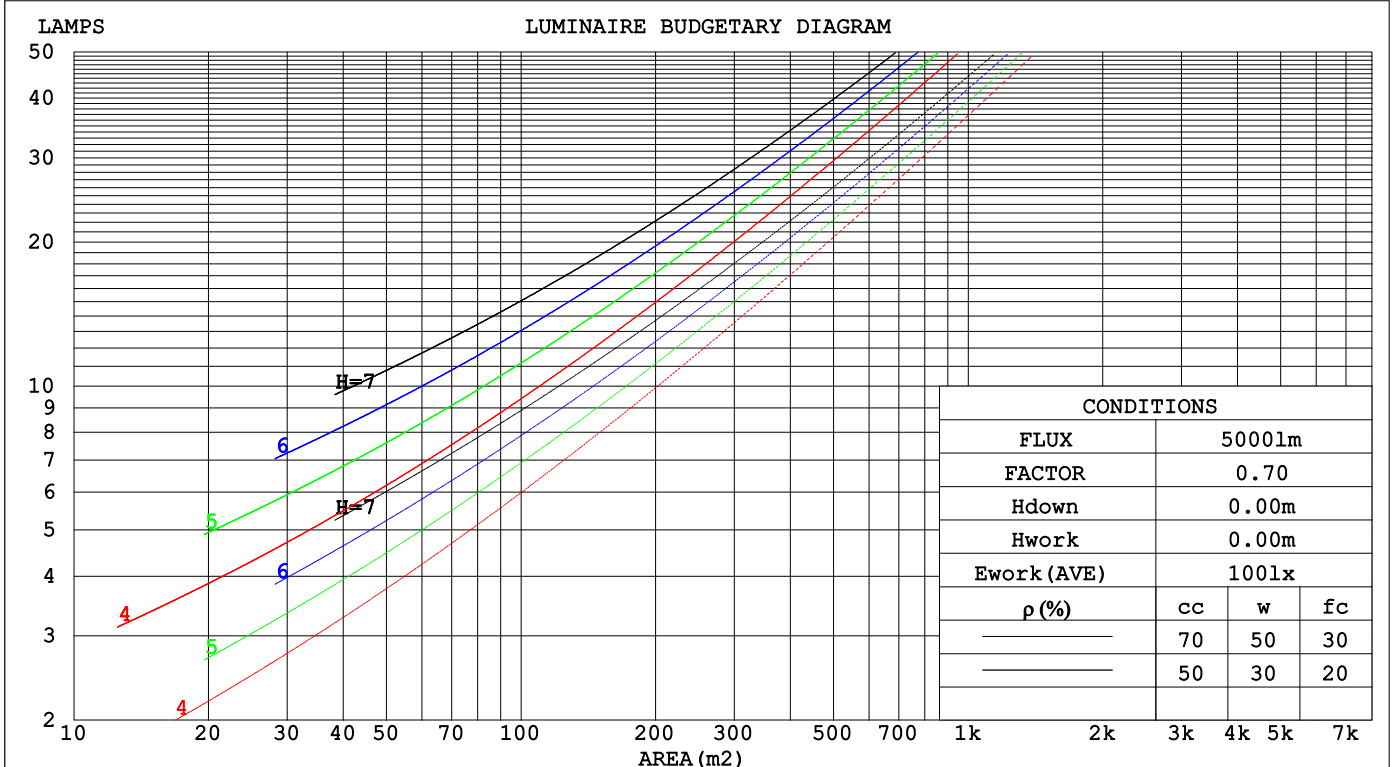
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2°C
 Operators: Dano
 Test Date: 2023-05-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity: 55.3%
 Test Distance: 2.900m [K=0.8810]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:120.1V I:0.2026A P:24.18W PF:0.9937 Freq:60.01Hz Lamp Flux:1296.57x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-SB002 3500K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | SUR.: | Shielding Angle: |

| | | | | | | | | | | | | | | | | |
|-------------|-----------------------|------|------|-----|-----|-----|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.07 | 1.07 | 1.07 | .99 | .99 | .99 | .84 | .84 | .84 | .70 | .70 | .70 | .57 | .57 | .57 | .51 |
| 1.0 | .85 | .79 | .73 | .78 | .72 | .67 | .64 | .60 | .56 | .52 | .49 | .46 | .41 | .38 | .36 | .30 |
| 2.0 | .71 | .62 | .55 | .65 | .57 | .51 | .53 | .47 | .42 | .42 | .38 | .34 | .32 | .29 | .26 | .21 |
| 3.0 | .60 | .51 | .43 | .55 | .46 | .40 | .45 | .38 | .33 | .36 | .30 | .26 | .27 | .23 | .19 | .15 |
| 4.0 | .52 | .42 | .35 | .48 | .39 | .32 | .39 | .32 | .26 | .31 | .25 | .21 | .23 | .19 | .15 | .11 |
| 5.0 | .46 | .36 | .29 | .42 | .33 | .26 | .34 | .27 | .21 | .27 | .21 | .17 | .20 | .16 | .12 | .09 |
| 6.0 | .40 | .31 | .24 | .37 | .28 | .22 | .30 | .23 | .18 | .24 | .18 | .14 | .18 | .13 | .10 | .07 |
| 7.0 | .36 | .27 | .20 | .33 | .25 | .19 | .27 | .20 | .15 | .21 | .16 | .12 | .16 | .12 | .08 | .06 |
| 8.0 | .32 | .24 | .17 | .30 | .22 | .16 | .24 | .18 | .13 | .19 | .14 | .10 | .14 | .10 | .07 | .05 |
| 9.0 | .29 | .21 | .15 | .27 | .19 | .14 | .22 | .16 | .11 | .17 | .12 | .09 | .13 | .09 | .06 | .04 |
| 10.0 | .27 | .19 | .13 | .24 | .17 | .12 | .20 | .14 | .10 | .16 | .11 | .08 | .12 | .08 | .05 | .03 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2°C
 Operators:Dano
 Test Date:2023-05-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:55.3%
 Test Distance:2.900m [K=0.8810]
 Remarks:

WEC AND CCEC

| | | |
|---|-------|------------------|
| Test:U:120.1V I:0.2026A P:24.18W PF:0.9937 Freq:60.01Hz Lamp Flux:1296.57x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-SB002 3500K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | SUR.: | Shielding Angle: |

| 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 | .445 | .253 | .080 | .423 | .241 | .077 | .381 | .219 | .070 | .343 | .198 | .063 | .308 | .178 | .057 | |
| 2.0 | .365 | .200 | .061 | .345 | .190 | .059 | .307 | .171 | .053 | .272 | .152 | .048 | .239 | .135 | .043 | |
| 3.0 | .315 | .168 | .050 | .297 | .159 | .048 | .262 | .142 | .043 | .229 | .126 | .039 | .199 | .110 | .034 | |
| 4.0 | .278 | .145 | .043 | .262 | .137 | .040 | .229 | .122 | .036 | .200 | .107 | .032 | .172 | .093 | .028 | |
| 5.0 | .250 | .127 | .037 | .234 | .120 | .035 | .205 | .107 | .031 | .177 | .094 | .028 | .152 | .081 | .024 | |
| 6.0 | .227 | .114 | .033 | .212 | .107 | .031 | .185 | .095 | .028 | .160 | .083 | .024 | .136 | .072 | .021 | |
| 7.0 | .207 | .103 | .029 | .194 | .097 | .028 | .169 | .085 | .025 | .145 | .075 | .022 | .123 | .064 | .019 | |
| 8.0 | .191 | .093 | .026 | .179 | .088 | .025 | .156 | .078 | .022 | .134 | .068 | .020 | .113 | .058 | .017 | |
| 9.0 | .177 | .086 | .024 | .166 | .081 | .023 | .144 | .071 | .020 | .124 | .062 | .018 | .104 | .053 | .015 | |
| 10.0 | .165 | .079 | .022 | .155 | .075 | .021 | .134 | .066 | .019 | .115 | .057 | .016 | .097 | .049 | .014 | |

| 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 | .565 | .565 | .565 | .483 | .483 | .483 | .329 | .329 | .329 | .189 | .189 | .189 | .060 | .060 | .060 | |
| 1.0 | .567 | .532 | .501 | .485 | .457 | .431 | .332 | .314 | .298 | .191 | .182 | .173 | .061 | .059 | .056 | |
| 2.0 | .562 | .511 | .469 | .481 | .440 | .405 | .330 | .304 | .283 | .190 | .177 | .166 | .061 | .057 | .054 | |
| 3.0 | .555 | .496 | .450 | .476 | .428 | .390 | .327 | .297 | .273 | .189 | .174 | .161 | .061 | .056 | .053 | |
| 4.0 | .548 | .485 | .437 | .470 | .419 | .380 | .323 | .292 | .268 | .187 | .171 | .158 | .060 | .056 | .052 | |
| 5.0 | .540 | .476 | .429 | .464 | .412 | .373 | .319 | .288 | .264 | .185 | .169 | .156 | .060 | .055 | .052 | |
| 6.0 | .533 | .469 | .423 | .458 | .406 | .369 | .316 | .284 | .261 | .183 | .167 | .155 | .059 | .055 | .051 | |
| 7.0 | .526 | .463 | .419 | .452 | .401 | .365 | .312 | .281 | .259 | .181 | .166 | .154 | .059 | .054 | .051 | |
| 8.0 | .519 | .458 | .416 | .447 | .397 | .362 | .309 | .279 | .257 | .180 | .164 | .153 | .058 | .054 | .051 | |
| 9.0 | .513 | .453 | .413 | .442 | .393 | .360 | .306 | .277 | .256 | .178 | .163 | .153 | .058 | .054 | .051 | |
| 10.0 | .507 | .449 | .411 | .437 | .390 | .359 | .303 | .275 | .255 | .177 | .162 | .152 | .057 | .053 | .050 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2℃
 Operators:Dano
 Test Date:2023-05-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:55.3%
 Test Distance:2.900m [K=0.8810]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|-------|----------------|------|------------------|------|------|
| Test:U:120.1V I:0.2026A P:24.18W PF:0.9937 Freq:60.01Hz | | | | | | | | | | |
| Lamp Flux:1296.57x1 lm | | | | | | | | | | |
| NAME: PT27-4-3x8S-952C5-MVTD-SB002 3500K | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | | | | | SUR.: | | | Shielding Angle: | | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 24.6 | 26.8 | 26.3 | 28.6 | 31.0 | 25.3 | 27.5 | 27.0 | 29.3 | 31.7 |
| 3H | 28.5 | 30.6 | 30.3 | 32.4 | 34.9 | 29.0 | 31.0 | 30.8 | 32.9 | 35.4 |
| 4H | 30.6 | 32.5 | 32.4 | 34.4 | 36.9 | 31.0 | 32.9 | 32.8 | 34.8 | 37.3 |
| 6H | 32.8 | 34.6 | 34.7 | 36.5 | 39.1 | 33.1 | 34.9 | 34.9 | 36.8 | 39.3 |
| 8H | 34.0 | 35.8 | 35.9 | 37.7 | 40.2 | 34.2 | 35.9 | 36.1 | 37.9 | 40.4 |
| 12H | 35.4 | 37.1 | 37.3 | 39.0 | 41.6 | 35.5 | 37.2 | 37.4 | 39.1 | 41.7 |
| 4H 2H | 24.9 | 26.8 | 26.7 | 28.7 | 31.2 | 25.7 | 27.7 | 27.6 | 29.6 | 32.0 |
| 3H | 29.0 | 30.7 | 30.9 | 32.6 | 35.2 | 29.8 | 31.5 | 31.7 | 33.4 | 36.0 |
| 4H | 31.2 | 32.8 | 33.1 | 34.7 | 37.3 | 32.0 | 33.5 | 33.9 | 35.5 | 38.1 |
| 6H | 33.6 | 35.0 | 35.5 | 37.0 | 39.6 | 34.3 | 35.7 | 36.2 | 37.7 | 40.3 |
| 8H | 34.9 | 36.3 | 36.9 | 38.3 | 40.9 | 35.5 | 36.8 | 37.4 | 38.8 | 41.5 |
| 12H | 36.4 | 37.7 | 38.4 | 39.7 | 42.3 | 36.9 | 38.1 | 38.9 | 40.2 | 42.8 |
| 8H 4H | 31.5 | 32.9 | 33.5 | 34.9 | 37.5 | 32.4 | 33.8 | 34.4 | 35.8 | 38.4 |
| 6H | 34.2 | 35.3 | 36.2 | 37.4 | 40.0 | 35.1 | 36.2 | 37.1 | 38.3 | 40.9 |
| 8H | 35.7 | 36.7 | 37.7 | 38.8 | 41.4 | 36.6 | 37.6 | 38.6 | 39.7 | 42.3 |
| 12H | 37.4 | 38.4 | 39.5 | 40.4 | 43.1 | 38.2 | 39.2 | 40.3 | 41.2 | 43.9 |
| 12H 4H | 31.6 | 32.8 | 33.6 | 34.9 | 37.5 | 32.5 | 33.7 | 34.5 | 35.8 | 38.4 |
| 6H | 34.4 | 35.4 | 36.4 | 37.4 | 40.1 | 35.3 | 36.3 | 37.3 | 38.4 | 41.1 |
| 8H | 36.0 | 36.9 | 38.0 | 39.0 | 41.7 | 36.9 | 37.8 | 38.9 | 39.9 | 42.6 |
| CIE190: 2010 | | | | | | | | | | |
| | | | | | | | | | | |

CIE190: 2010
Area: 0.001257 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2℃
Operators:Dano
Test Date:2023-05-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:55.3%
Test Distance:2.900m [K=0.8810]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|-------|------------------|
| Test:U:120.1V I:0.2026A P:24.18W PF:0.9937 Freq:60.01Hz Lamp Flux:1296.57x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-SB002 3500K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | SUR.: | Shielding Angle: |

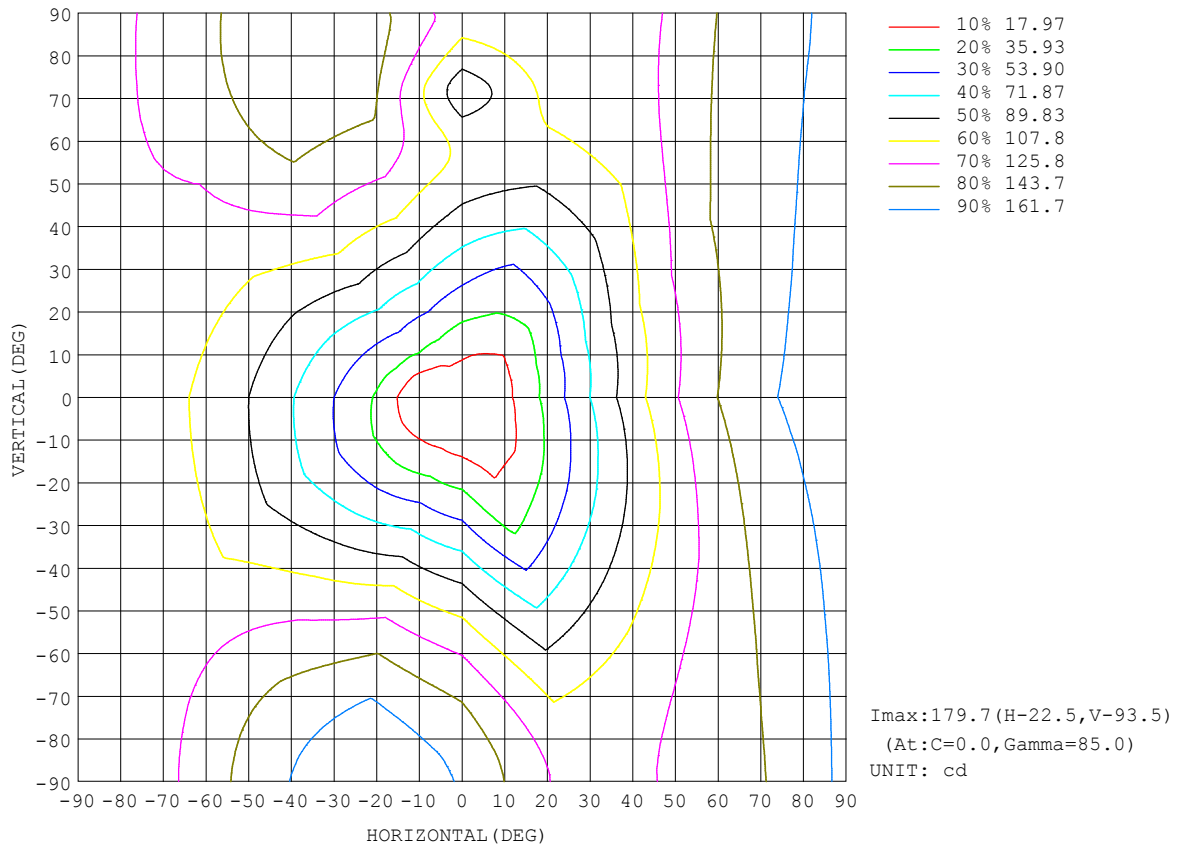
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 33 | 20 | 13 | 32 | 19 | 12 | 28 | 17 | 11 | 4 |
| 0.80 | 42 | 27 | 18 | 39 | 26 | 18 | 34 | 23 | 16 | 6 |
| 1.00 | 49 | 34 | 24 | 46 | 32 | 23 | 40 | 30 | 20 | 9 |
| 1.25 | 56 | 41 | 31 | 52 | 38 | 29 | 44 | 33 | 25 | 12 |
| 1.50 | 61 | 46 | 36 | 57 | 43 | 34 | 48 | 38 | 30 | 14 |
| 2.00 | 69 | 55 | 45 | 64 | 51 | 42 | 54 | 44 | 37 | 19 |
| 2.50 | 74 | 62 | 51 | 69 | 57 | 48 | 58 | 49 | 42 | 22 |
| 3.00 | 79 | 67 | 57 | 72 | 62 | 53 | 61 | 53 | 46 | 24 |
| 4.00 | 84 | 74 | 65 | 78 | 68 | 61 | 65 | 58 | 52 | 28 |
| 5.00 | 88 | 79 | 71 | 81 | 73 | 66 | 68 | 62 | 56 | 31 |
| 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:25.2°C
 Operators:Dano
 Test Date:2023-05-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:55.3%
 Test Distance:2.900m [K=0.8810]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:120.1V I:0.2026A P:24.18W PF:0.9937 Freq:60.01Hz Lamp Flux:1296.57x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-SB002 3500K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | SUR.: | Shielding Angle: |

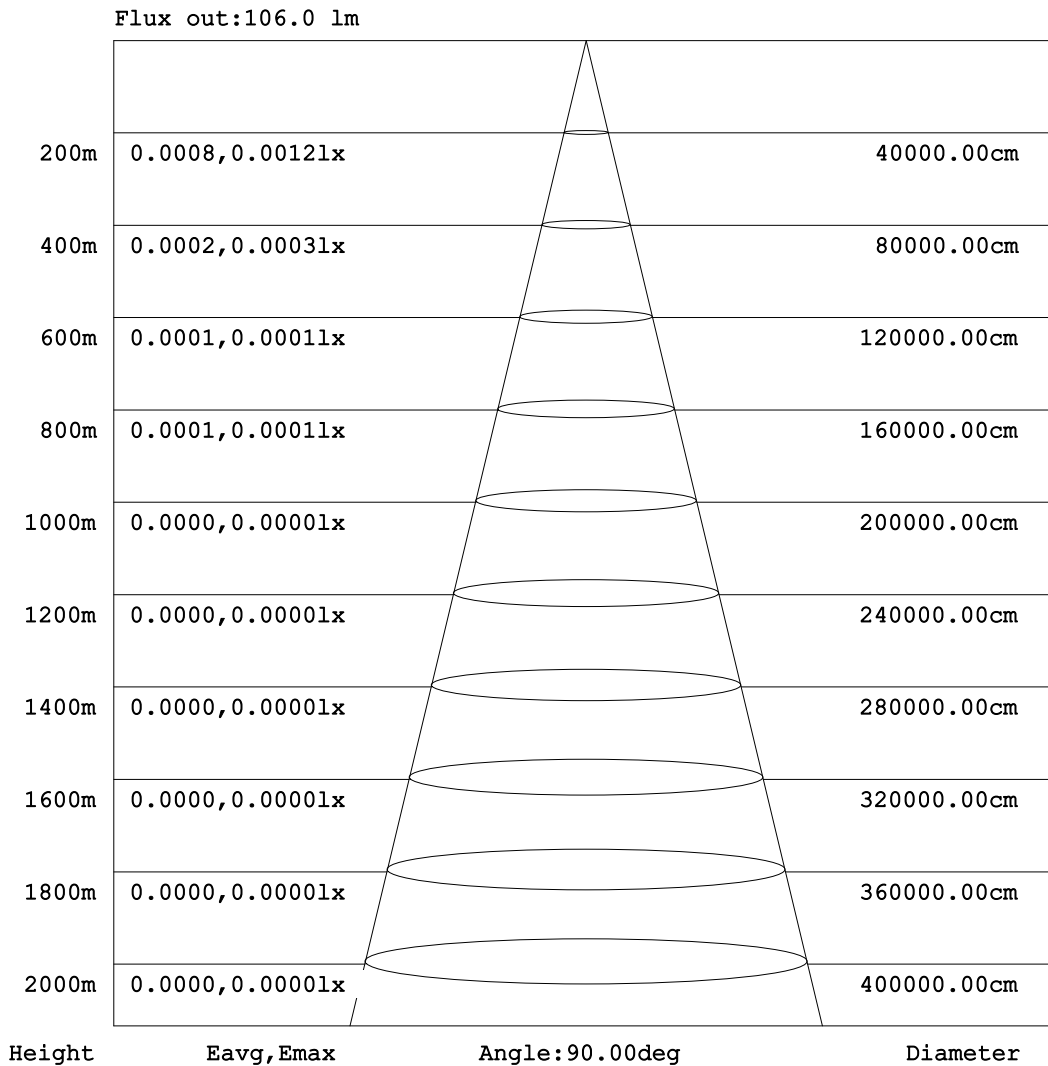


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2°C
Operators:Dano
Test Date:2023-05-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:55.3%
Test Distance:2.900m [K=0.8810]
Remarks:

AAI Figure

| | | |
|---|-------|------------------|
| Test:U:120.1V I:0.2026A P:24.18W PF:0.9937 Freq:60.01Hz Lamp Flux:1296.57x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-SB002 3500K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | SUR.: | Shielding Angle: |



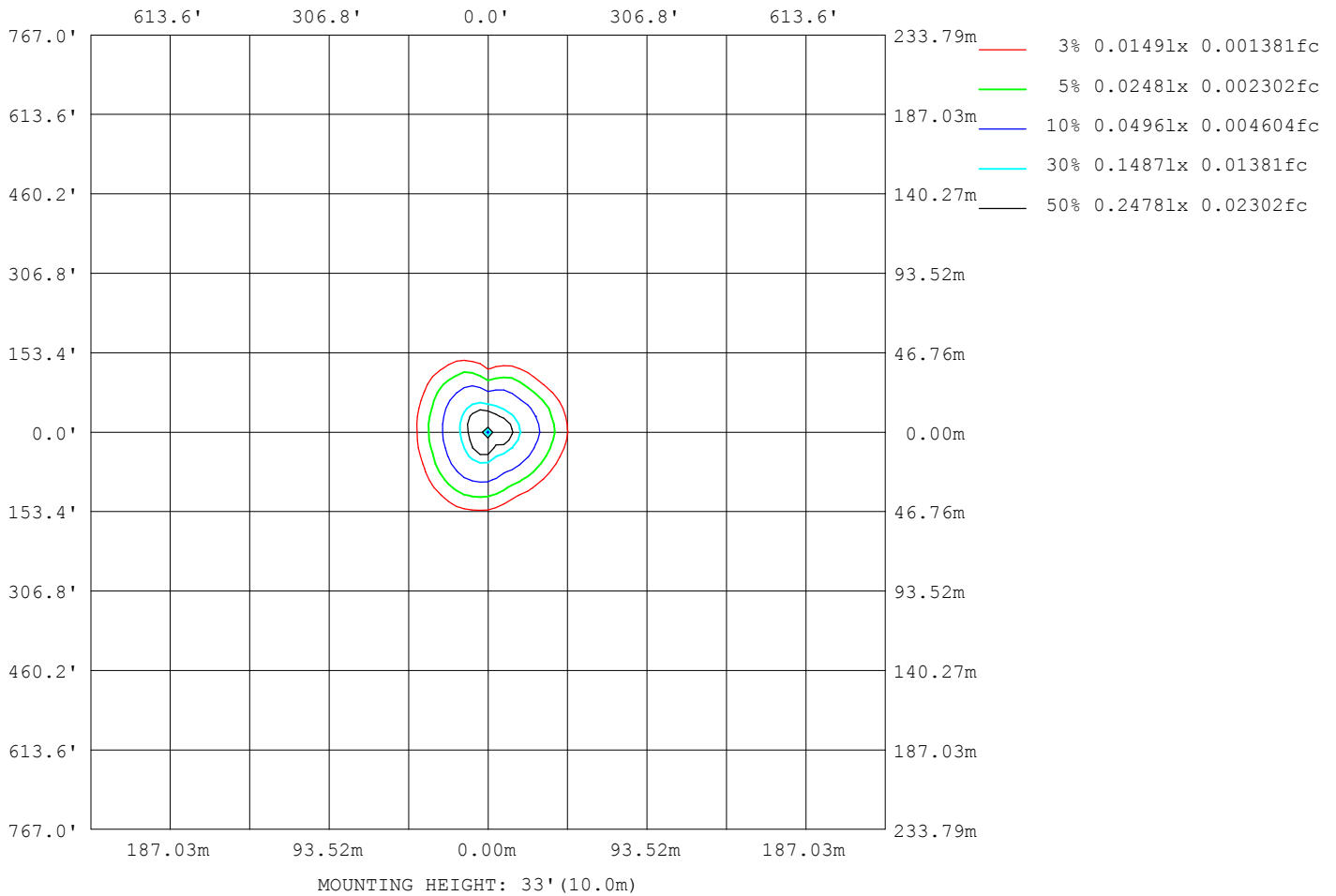
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2℃
 Operators:Dano
 Test Date:2023-05-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:55.3%
 Test Distance:2.900m [K=0.8810]
 Remarks:

ISOLUX DIAGRAM

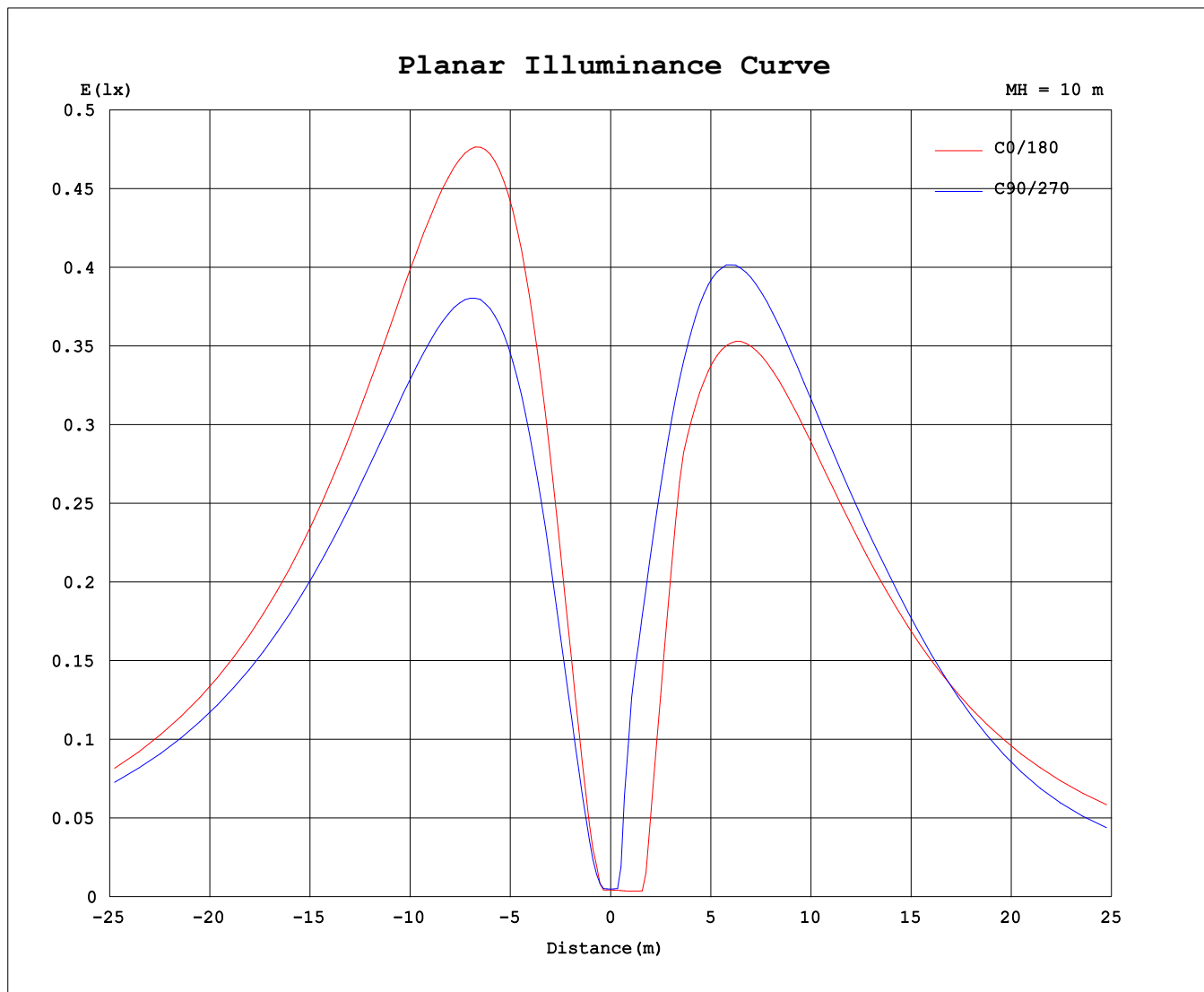
| | | |
|---|-------|------------------|
| Test:U:120.1V I:0.2026A P:24.18W PF:0.9937 Freq:60.01Hz Lamp Flux:1296.57x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-SB002 3500K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2°C
 Operators:Dano
 Test Date:2023-05-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:55.3%
 Test Distance:2.900m [K=0.8810]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.2°C
Operators: Dano
Test Date: 2023-05-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 55.3%
Test Distance: 2.900m [K=0.8810]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------|------------------|
| Test:U:120.1V I:0.2026A P:24.18W PF:0.9937 Freq:60.01Hz Lamp Flux:1296.57x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-SB002 3500K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | SUR.: | Shielding Angle: |

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 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | | | |
| 5 | 3.31 | 2.18 | 0.83 | 1.29 | 2.29 | 2.71 | 2.23 | 0.36 | 0.41 | 0.47 | 0.59 | 6.28 | 9.20 | 8.22 | 5.43 | 3.70 | | | |
| 10 | 14.4 | 11.3 | 5.84 | 6.07 | 9.63 | 11.2 | 9.75 | 5.56 | 1.74 | 9.40 | 21.6 | 24.2 | 19.4 | 15.4 | 11.9 | 12.0 | | | |
| 15 | 28.8 | 23.2 | 13.9 | 12.5 | 19.3 | 22.0 | 19.7 | 16.5 | 18.7 | 31.4 | 39.7 | 36.9 | 29.1 | 24.8 | 19.2 | 23.7 | | | |
| 20 | 44.7 | 36.8 | 24.0 | 17.4 | 30.4 | 34.4 | 30.8 | 28.6 | 36.4 | 46.4 | 53.9 | 50.0 | 38.9 | 32.8 | 29.5 | 36.9 | | | |
| 25 | 61.0 | 50.9 | 35.2 | 21.6 | 42.1 | 47.5 | 42.9 | 38.5 | 47.1 | 58.4 | 67.9 | 62.8 | 48.9 | 38.5 | 41.2 | 50.4 | | | |
| 30 | 77.1 | 64.9 | 47.0 | 28.4 | 54.0 | 60.7 | 54.9 | 48.2 | 57.8 | 70.0 | 81.4 | 75.2 | 58.7 | 45.5 | 52.9 | 63.8 | | | |
| 35 | 92.5 | 78.4 | 58.9 | 37.4 | 65.7 | 73.9 | 66.9 | 57.6 | 68.2 | 81.0 | 94.4 | 87.1 | 68.0 | 55.2 | 64.0 | 76.5 | | | |
| 40 | 107 | 91.1 | 70.5 | 47.8 | 77.2 | 86.7 | 78.5 | 66.8 | 78.2 | 91.4 | 107 | 98.3 | 76.8 | 65.2 | 74.2 | 88.5 | | | |
| 45 | 121 | 103 | 81.5 | 58.1 | 88.3 | 99.2 | 89.7 | 75.5 | 87.6 | 101 | 118 | 109 | 85.0 | 74.4 | 83.6 | 99.7 | | | |
| 50 | 133 | 114 | 91.8 | 68.2 | 99.1 | 111 | 100 | 83.5 | 96.2 | 110 | 129 | 118 | 92.5 | 82.9 | 92.0 | 110 | | | |
| 55 | 144 | 123 | 101 | 78.0 | 109 | 123 | 110 | 90.9 | 104 | 118 | 138 | 127 | 98.1 | 90.5 | 99.4 | 119 | | | |
| 60 | 154 | 132 | 110 | 87.2 | 119 | 133 | 120 | 97.5 | 111 | 124 | 147 | 135 | 97.0 | 97.1 | 106 | 127 | | | |
| 65 | 163 | 139 | 117 | 95.7 | 127 | 143 | 128 | 103 | 117 | 130 | 154 | 141 | 86.8 | 103 | 111 | 134 | | | |
| 70 | 169 | 144 | 122 | 103 | 135 | 151 | 135 | 108 | 121 | 135 | 160 | 146 | 75.4 | 107 | 115 | 139 | | | |
| 75 | 174 | 148 | 127 | 110 | 141 | 158 | 142 | 112 | 125 | 138 | 164 | 150 | 80.0 | 110 | 118 | 143 | | | |
| 80 | 177 | 151 | 130 | 115 | 146 | 164 | 147 | 115 | 127 | 140 | 167 | 152 | 93.4 | 112 | 119 | 145 | | | |
| 85 | 178 | 152 | 132 | 120 | 150 | 168 | 150 | 117 | 128 | 141 | 168 | 153 | 104 | 113 | 120 | 147 | | | |
| 90 | 177 | 151 | 133 | 122 | 152 | 171 | 152 | 117 | 128 | 141 | 168 | 153 | 108 | 112 | 119 | 146 | | | |
| 95 | 175 | 149 | 131 | 121 | 152 | 171 | 153 | 117 | 127 | 139 | 165 | 150 | 103 | 110 | 117 | 144 | | | |
| 100 | 171 | 146 | 129 | 118 | 150 | 170 | 152 | 115 | 124 | 136 | 162 | 147 | 95.4 | 107 | 115 | 141 | | | |
| 105 | 165 | 141 | 125 | 116 | 146 | 166 | 149 | 112 | 120 | 131 | 156 | 142 | 90.5 | 103 | 111 | 136 | | | |
| 110 | 158 | 135 | 120 | 113 | 142 | 161 | 145 | 108 | 115 | 126 | 150 | 136 | 89.9 | 97.6 | 106 | 131 | | | |
| 115 | 149 | 128 | 114 | 110 | 136 | 154 | 139 | 103 | 109 | 119 | 142 | 129 | 88.7 | 91.6 | 99.7 | 124 | | | |
| 120 | 140 | 120 | 107 | 106 | 128 | 146 | 132 | 97.2 | 102 | 112 | 132 | 121 | 85.9 | 84.7 | 92.9 | 116 | | | |
| 125 | 129 | 111 | 98.9 | 99.8 | 120 | 136 | 123 | 90.1 | 93.6 | 103 | 121 | 112 | 81.2 | 77.2 | 85.3 | 107 | | | |
| 130 | 118 | 102 | 90.3 | 92.3 | 110 | 125 | 113 | 82.1 | 84.4 | 93.8 | 109 | 102 | 75.0 | 69.2 | 77.2 | 97.4 | | | |
| 135 | 106 | 91.6 | 81.1 | 83.4 | 98.9 | 113 | 103 | 73.2 | 74.4 | 83.4 | 96.8 | 90.9 | 67.7 | 60.6 | 68.5 | 87.1 | | | |
| 140 | 93.8 | 80.9 | 71.1 | 73.3 | 87.1 | 99.4 | 90.7 | 63.8 | 63.9 | 71.9 | 84.0 | 79.8 | 59.7 | 51.6 | 59.4 | 75.9 | | | |
| 145 | 81.1 | 69.9 | 60.6 | 62.5 | 74.7 | 85.4 | 78.1 | 53.9 | 52.9 | 59.0 | 70.4 | 68.4 | 51.0 | 42.8 | 49.6 | 64.0 | | | |
| 150 | 68.0 | 58.5 | 49.8 | 51.1 | 61.6 | 70.9 | 64.8 | 43.7 | 41.9 | 45.2 | 57.4 | 56.4 | 42.1 | 34.7 | 39.5 | 51.6 | | | |
| 155 | 54.7 | 46.9 | 38.8 | 39.5 | 48.2 | 55.8 | 51.1 | 33.8 | 31.4 | 32.6 | 44.0 | 43.4 | 33.7 | 27.2 | 29.5 | 39.0 | | | |
| 160 | 41.4 | 35.4 | 28.1 | 28.1 | 34.7 | 40.7 | 37.4 | 24.7 | 21.5 | 21.7 | 29.4 | 30.1 | 25.3 | 19.6 | 20.3 | 27.3 | | | |
| 165 | 28.4 | 24.3 | 18.1 | 17.6 | 21.8 | 26.1 | 24.1 | 15.8 | 11.2 | 11.5 | 16.5 | 17.7 | 15.5 | 11.7 | 12.3 | 17.1 | | | |
| 170 | 16.4 | 14.2 | 9.81 | 8.51 | 10.5 | 12.9 | 12.1 | 7.59 | 3.20 | 3.31 | 6.36 | 7.64 | 6.50 | 4.65 | 6.05 | 9.16 | | | |
| 175 | 6.18 | 5.65 | 3.72 | 2.21 | 2.01 | 2.80 | 2.71 | 1.61 | 0.54 | 0.56 | 0.56 | 0.79 | 0.59 | 0.31 | 0.39 | 4.13 | | | |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.35 | 0.41 | 0.16 | 0.21 | 0.22 | 0.21 | 0.19 | 0.25 | 0.32 | 0.35 | 0.32 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2℃
 Operators:Dano
 Test Date:2023-05-15

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