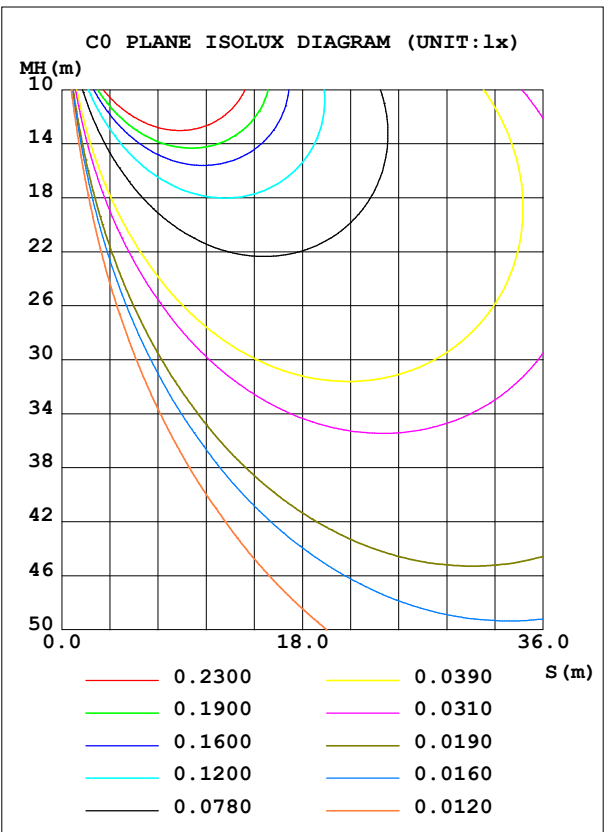
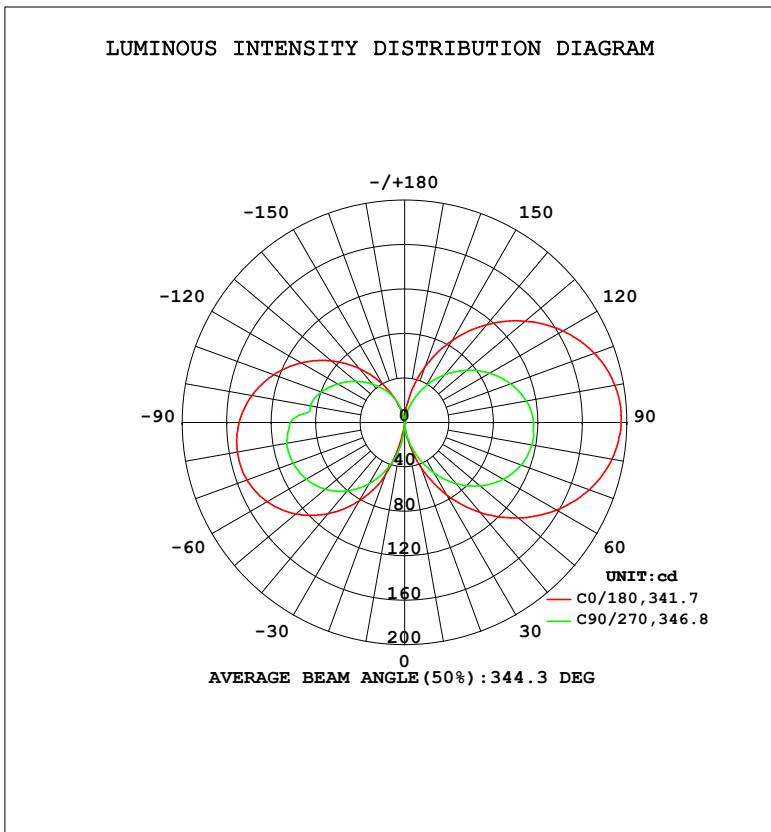


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|-------|------------------|
| Test:U:120.1V I:0.1962A P:23.41W PF:0.9933 Freq:60.01Hz Lamp Flux:1171.86x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-BN 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | |
|-------------------|---------|------------------|---------|--------------------------|------------|
| MODEL | | Imax (cd) | 194.9 | S/MH (C0/180) | 14.17 |
| NOMINAL POWER (W) | | LOR (%) | 100.0 | S/MH (C90/270) | 12.41 |
| RATED VOLTAGE (V) | 120 | TOTAL FLUX (lm) | 1171.9 | η UP, DN (C0-180) | 25.1, 26.4 |
| NOMINAL FLUX (lm) | 1171.86 | CIE CLASS | DIFFUSE | η UP, DN (C180-360) | 21.7, 26.8 |
| LAMPS INSIDE | 1 | η up (%) | 46.8 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE (V) | 120 | η down (%) | 53.2 | 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 | 13.18 | 6.038 | 11.31 | 10.58 | 6.400 | 18.51 | 21.00 | 11.94 | 0- 10 | 0.5567 | 0.5567 | 0.05,0.05 |
| 20 | 42.49 | 22.33 | 30.97 | 31.99 | 48.90 | 61.95 | 42.88 | 25.36 | 10- 20 | 7.261 | 7.817 | 0.67,0.67 |
| 30 | 74.82 | 43.35 | 52.11 | 55.21 | 81.15 | 92.33 | 63.23 | 40.39 | 20- 30 | 22.49 | 30.31 | 2.59,2.59 |
| 40 | 105.7 | 64.43 | 71.80 | 76.91 | 107.3 | 118.4 | 80.45 | 55.62 | 30- 40 | 43.94 | 74.25 | 6.34,6.34 |
| 50 | 133.7 | 83.61 | 88.81 | 95.95 | 128.1 | 139.3 | 93.50 | 68.87 | 40- 50 | 68.97 | 143.2 | 12.2,12.2 |
| 60 | 157.8 | 99.56 | 102.3 | 111.6 | 142.8 | 154.3 | 102.3 | 79.33 | 50- 60 | 94.26 | 237.5 | 20.3,20.3 |
| 70 | 176.8 | 111.5 | 111.7 | 122.7 | 151.1 | 162.4 | 106.8 | 86.66 | 60- 70 | 116.2 | 353.7 | 30.2,30.2 |
| 80 | 189.5 | 118.8 | 116.3 | 128.8 | 152.9 | 163.7 | 107.7 | 90.71 | 70- 80 | 131.5 | 485.1 | 41.4,41.4 |
| 90 | 194.8 | 121.5 | 116.0 | 129.2 | 149.0 | 158.5 | 102.9 | 91.40 | 80- 90 | 137.9 | 623.0 | 53.2,53.2 |
| 100 | 192.2 | 119.0 | 111.4 | 124.1 | 139.6 | 147.6 | 86.16 | 88.82 | 90-100 | 134.1 | 757.1 | 64.6,64.6 |
| 110 | 181.9 | 111.9 | 101.6 | 114.3 | 125.5 | 132.7 | 80.05 | 83.02 | 100-110 | 121.9 | 879.0 | 75,75 |
| 120 | 164.6 | 100.6 | 88.72 | 100.7 | 107.5 | 114.3 | 69.54 | 74.30 | 110-120 | 103.0 | 982.0 | 83.8,83.8 |
| 130 | 141.9 | 85.83 | 73.32 | 84.16 | 86.41 | 93.68 | 57.78 | 63.24 | 120-130 | 79.98 | 1062 | 90.6,90.6 |
| 140 | 115.0 | 68.12 | 56.07 | 65.55 | 63.31 | 71.43 | 45.18 | 49.59 | 130-140 | 55.86 | 1118 | 95.4,95.4 |
| 150 | 84.80 | 48.57 | 37.70 | 45.71 | 39.66 | 47.28 | 32.63 | 32.83 | 140-150 | 33.54 | 1151 | 98.3,98.3 |
| 160 | 52.80 | 28.85 | 19.60 | 25.55 | 17.98 | 22.82 | 19.15 | 15.98 | 150-160 | 15.66 | 1167 | 99.6,99.6 |
| 170 | 21.66 | 12.11 | 4.865 | 7.823 | 2.119 | 4.920 | 5.131 | 3.204 | 160-170 | 4.500 | 1172 | 100,100 |
| 180 | 0 | 0 | 0.1051 | 0.1555 | 0.1667 | 0.1805 | 0.1577 | 0.1570 | 170-180 | 0.3355 | 1172 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 105.51 lm

%lum = 9.0%

%lamp = 9.0%

Conical surface Flux(120deg): 237.48 lm

%lum = 20.3%

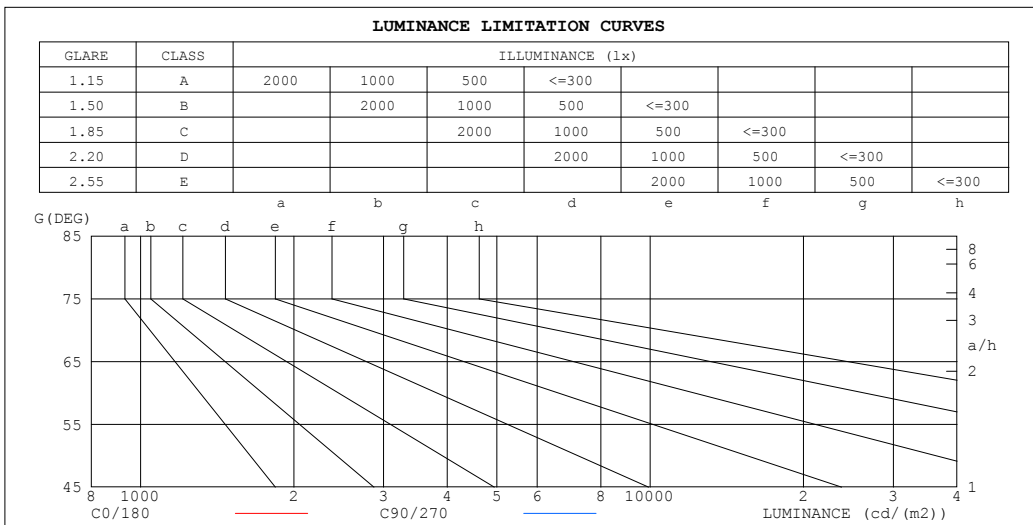
%lamp = 20.3%

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:0.1962A P:23.41W PF:0.9933 Freq:60.01Hz Lamp Flux:1171.86x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-BN 3000K | 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 | 1378946 | 1161636 |
| 80 | 678934 | 581605 |
| 75 | 442577 | 384458 |
| 70 | 321659 | 283526 |
| 65 | 247366 | 220977 |
| 60 | 196352 | 177738 |
| 55 | 158673 | 145407 |
| 50 | 129436 | 119971 |
| 45 | 105719 | 99080 |

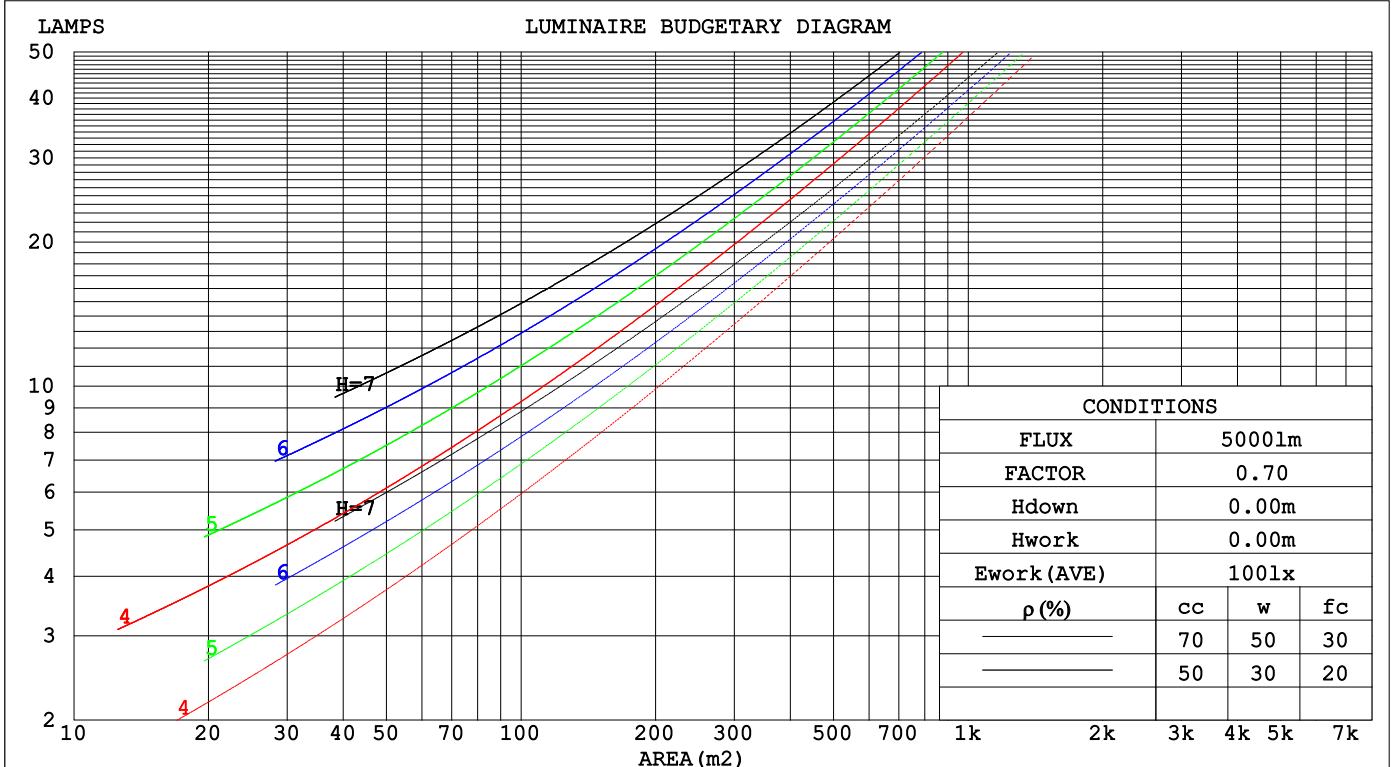
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2℃
 Operators:Dano
 Test Date:2023-05-15

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:120.1V I:0.1962A P:23.41W PF:0.9933 Freq:60.01Hz Lamp Flux:1171.86x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-BN 3000K | 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 | 1.08 | 1.08 | 1.08 | .00 | .00 | .00 | .85 | .85 | .85 | .72 | .72 | .72 | .59 | .59 | .59 | .53 |
| 1.0 | .85 | .79 | .74 | .78 | .73 | .68 | .65 | .61 | .57 | .54 | .50 | .47 | .43 | .40 | .38 | .32 |
| 2.0 | .71 | .63 | .55 | .65 | .57 | .51 | .54 | .48 | .43 | .44 | .39 | .35 | .34 | .30 | .27 | .22 |
| 3.0 | .61 | .51 | .43 | .55 | .47 | .40 | .46 | .39 | .33 | .37 | .31 | .27 | .28 | .24 | .20 | .16 |
| 4.0 | .52 | .42 | .35 | .48 | .39 | .32 | .39 | .32 | .26 | .31 | .26 | .21 | .24 | .20 | .16 | .12 |
| 5.0 | .46 | .36 | .29 | .42 | .33 | .26 | .34 | .27 | .22 | .27 | .22 | .17 | .21 | .16 | .13 | .09 |
| 6.0 | .40 | .31 | .24 | .37 | .28 | .22 | .30 | .23 | .18 | .24 | .19 | .14 | .18 | .14 | .11 | .07 |
| 7.0 | .36 | .27 | .20 | .33 | .25 | .19 | .27 | .20 | .15 | .22 | .16 | .12 | .17 | .12 | .09 | .06 |
| 8.0 | .32 | .24 | .17 | .30 | .22 | .16 | .24 | .18 | .13 | .20 | .14 | .10 | .15 | .11 | .08 | .05 |
| 9.0 | .29 | .21 | .15 | .27 | .19 | .14 | .22 | .16 | .11 | .18 | .13 | .09 | .14 | .10 | .06 | .04 |
| 10.0 | .27 | .19 | .13 | .24 | .17 | .12 | .20 | .14 | .10 | .16 | .11 | .08 | .13 | .09 | .06 | .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:0.1962A P:23.41W PF:0.9933 Freq:60.01Hz Lamp Flux:1171.86x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-BN 3000K | 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 | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .448 | .255 | .081 | .427 | .243 | .077 | .386 | .221 | .071 | .349 | .201 | .065 | .315 | .182 | .059 | |
| 2.0 | .368 | .202 | .062 | .348 | .192 | .059 | .311 | .173 | .054 | .277 | .156 | .049 | .246 | .139 | .044 | |
| 3.0 | .318 | .169 | .051 | .300 | .160 | .048 | .266 | .144 | .044 | .235 | .128 | .039 | .205 | .114 | .035 | |
| 4.0 | .281 | .146 | .043 | .264 | .138 | .041 | .233 | .124 | .037 | .204 | .110 | .033 | .177 | .096 | .029 | |
| 5.0 | .252 | .128 | .037 | .237 | .121 | .035 | .208 | .108 | .032 | .181 | .096 | .028 | .157 | .084 | .025 | |
| 6.0 | .228 | .114 | .033 | .214 | .108 | .031 | .188 | .096 | .028 | .163 | .085 | .025 | .141 | .074 | .022 | |
| 7.0 | .209 | .103 | .029 | .196 | .098 | .028 | .172 | .087 | .025 | .149 | .076 | .022 | .128 | .066 | .019 | |
| 8.0 | .192 | .094 | .026 | .181 | .089 | .025 | .158 | .079 | .023 | .137 | .069 | .020 | .117 | .060 | .017 | |
| 9.0 | .178 | .086 | .024 | .167 | .082 | .023 | .146 | .072 | .021 | .127 | .063 | .018 | .108 | .055 | .016 | |
| 10.0 | .166 | .080 | .022 | .156 | .075 | .021 | .136 | .067 | .019 | .118 | .058 | .017 | .100 | .050 | .014 | |

| 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 | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .547 | .547 | .547 | .468 | .468 | .468 | .319 | .319 | .319 | .183 | .183 | .183 | .059 | .059 | .059 | |
| 1.0 | .550 | .515 | .483 | .470 | .442 | .416 | .322 | .304 | .288 | .185 | .176 | .167 | .059 | .057 | .054 | |
| 2.0 | .545 | .494 | .451 | .466 | .425 | .390 | .320 | .294 | .272 | .184 | .171 | .159 | .059 | .055 | .052 | |
| 3.0 | .538 | .479 | .432 | .461 | .413 | .374 | .317 | .287 | .263 | .183 | .168 | .155 | .059 | .054 | .051 | |
| 4.0 | .530 | .467 | .419 | .455 | .404 | .364 | .313 | .281 | .257 | .181 | .165 | .152 | .058 | .054 | .050 | |
| 5.0 | .523 | .458 | .411 | .449 | .397 | .358 | .309 | .277 | .252 | .179 | .163 | .150 | .058 | .053 | .049 | |
| 6.0 | .515 | .451 | .405 | .443 | .391 | .353 | .306 | .274 | .250 | .177 | .161 | .148 | .057 | .053 | .049 | |
| 7.0 | .508 | .445 | .401 | .437 | .386 | .349 | .302 | .270 | .248 | .175 | .159 | .147 | .057 | .052 | .049 | |
| 8.0 | .501 | .440 | .398 | .432 | .382 | .347 | .299 | .268 | .246 | .174 | .158 | .147 | .056 | .052 | .049 | |
| 9.0 | .495 | .435 | .395 | .427 | .378 | .345 | .296 | .266 | .245 | .172 | .157 | .146 | .056 | .051 | .048 | |
| 10.0 | .489 | .431 | .393 | .422 | .375 | .343 | .293 | .264 | .244 | .171 | .156 | .145 | .055 | .051 | .048 | |

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:0.1962A P:23.41W PF:0.9933 Freq:60.01Hz | | | | | | | | | | |
| Lamp Flux:1171.86x1 lm | | | | | | | | | | |
| NAME: PT27-4-3x8S-952C5-MVTD-BN 3000K | | | | | 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 | 24.2 | 26.5 | 25.9 | 28.3 | 30.6 | 25.4 | 27.6 | 27.1 | 29.4 | 31.8 |
| 3H | 28.3 | 30.3 | 30.0 | 32.2 | 34.6 | 28.8 | 30.9 | 30.6 | 32.7 | 35.1 |
| 4H | 30.3 | 32.3 | 32.1 | 34.2 | 36.6 | 30.6 | 32.6 | 32.4 | 34.4 | 36.8 |
| 6H | 32.6 | 34.5 | 34.4 | 36.3 | 38.8 | 32.5 | 34.4 | 34.3 | 36.3 | 38.7 |
| 8H | 33.8 | 35.6 | 35.7 | 37.5 | 40.0 | 33.6 | 35.3 | 35.4 | 37.3 | 39.7 |
| 12H | 35.2 | 36.9 | 37.0 | 38.8 | 41.3 | 34.7 | 36.5 | 36.6 | 38.4 | 40.9 |
| 4H 2H | 24.5 | 26.5 | 26.3 | 28.3 | 30.7 | 26.0 | 27.9 | 27.8 | 29.8 | 32.2 |
| 3H | 28.7 | 30.4 | 30.5 | 32.4 | 34.8 | 29.7 | 31.5 | 31.6 | 33.4 | 35.8 |
| 4H | 31.0 | 32.6 | 32.8 | 34.5 | 37.0 | 31.8 | 33.4 | 33.6 | 35.3 | 37.8 |
| 6H | 33.5 | 34.9 | 35.4 | 36.9 | 39.4 | 33.9 | 35.3 | 35.7 | 37.3 | 39.8 |
| 8H | 34.8 | 36.2 | 36.7 | 38.1 | 40.7 | 35.0 | 36.4 | 36.9 | 38.3 | 40.9 |
| 12H | 36.3 | 37.6 | 38.3 | 39.6 | 42.2 | 36.3 | 37.5 | 38.2 | 39.5 | 42.1 |
| 8H 4H | 31.3 | 32.7 | 33.2 | 34.6 | 37.2 | 32.3 | 33.7 | 34.2 | 35.6 | 38.2 |
| 6H | 34.0 | 35.2 | 36.0 | 37.2 | 39.8 | 34.8 | 36.0 | 36.7 | 38.0 | 40.6 |
| 8H | 35.6 | 36.7 | 37.6 | 38.7 | 41.3 | 36.2 | 37.2 | 38.1 | 39.3 | 41.9 |
| 12H | 37.4 | 38.3 | 39.4 | 40.4 | 43.0 | 37.7 | 38.7 | 39.7 | 40.7 | 43.3 |
| 12H 4H | 31.4 | 32.6 | 33.3 | 34.6 | 37.2 | 32.4 | 33.7 | 34.4 | 35.7 | 38.2 |
| 6H | 34.2 | 35.3 | 36.2 | 37.3 | 39.9 | 35.1 | 36.1 | 37.0 | 38.1 | 40.8 |
| 8H | 35.9 | 36.8 | 37.8 | 38.8 | 41.5 | 36.6 | 37.5 | 38.6 | 39.6 | 42.2 |
| 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:0.1962A P:23.41W PF:0.9933 Freq:60.01Hz Lamp Flux:1171.86x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-BN 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | SUR.: | Shielding Angle: |

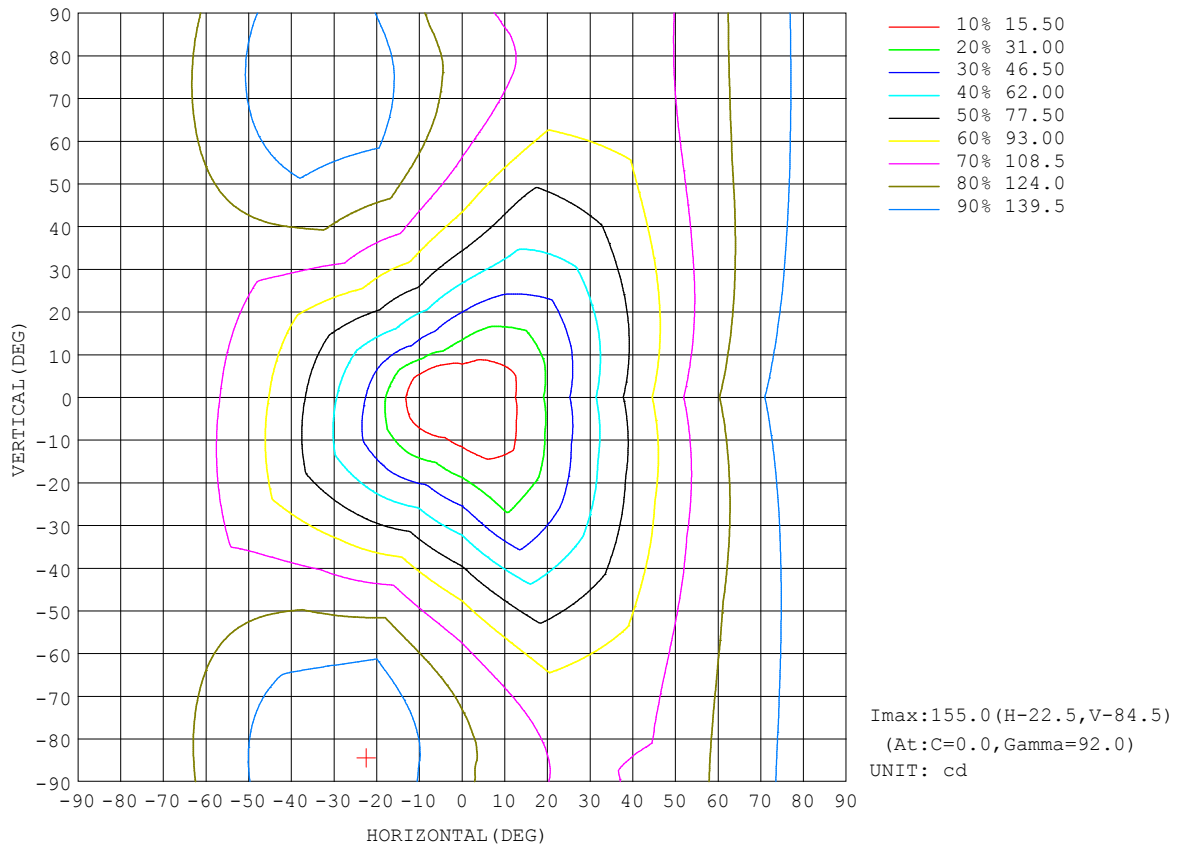
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 34 | 21 | 13 | 32 | 20 | 13 | 29 | 18 | 12 | 4 |
| 0.80 | 42 | 28 | 19 | 40 | 26 | 18 | 35 | 24 | 16 | 7 |
| 1.00 | 49 | 34 | 25 | 46 | 32 | 24 | 40 | 31 | 21 | 10 |
| 1.25 | 56 | 41 | 31 | 52 | 39 | 29 | 45 | 34 | 26 | 13 |
| 1.50 | 62 | 47 | 36 | 57 | 44 | 34 | 49 | 38 | 30 | 15 |
| 2.00 | 70 | 56 | 45 | 65 | 52 | 43 | 55 | 45 | 37 | 20 |
| 2.50 | 75 | 62 | 52 | 69 | 58 | 49 | 59 | 50 | 43 | 23 |
| 3.00 | 79 | 67 | 58 | 73 | 63 | 54 | 62 | 54 | 47 | 26 |
| 4.00 | 85 | 74 | 66 | 78 | 69 | 61 | 66 | 59 | 53 | 30 |
| 5.00 | 88 | 79 | 72 | 82 | 74 | 67 | 69 | 63 | 57 | 33 |
| 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:0.1962A P:23.41W PF:0.9933 Freq:60.01Hz Lamp Flux:1171.86x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-BN 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | SUR.: | Shielding Angle: |

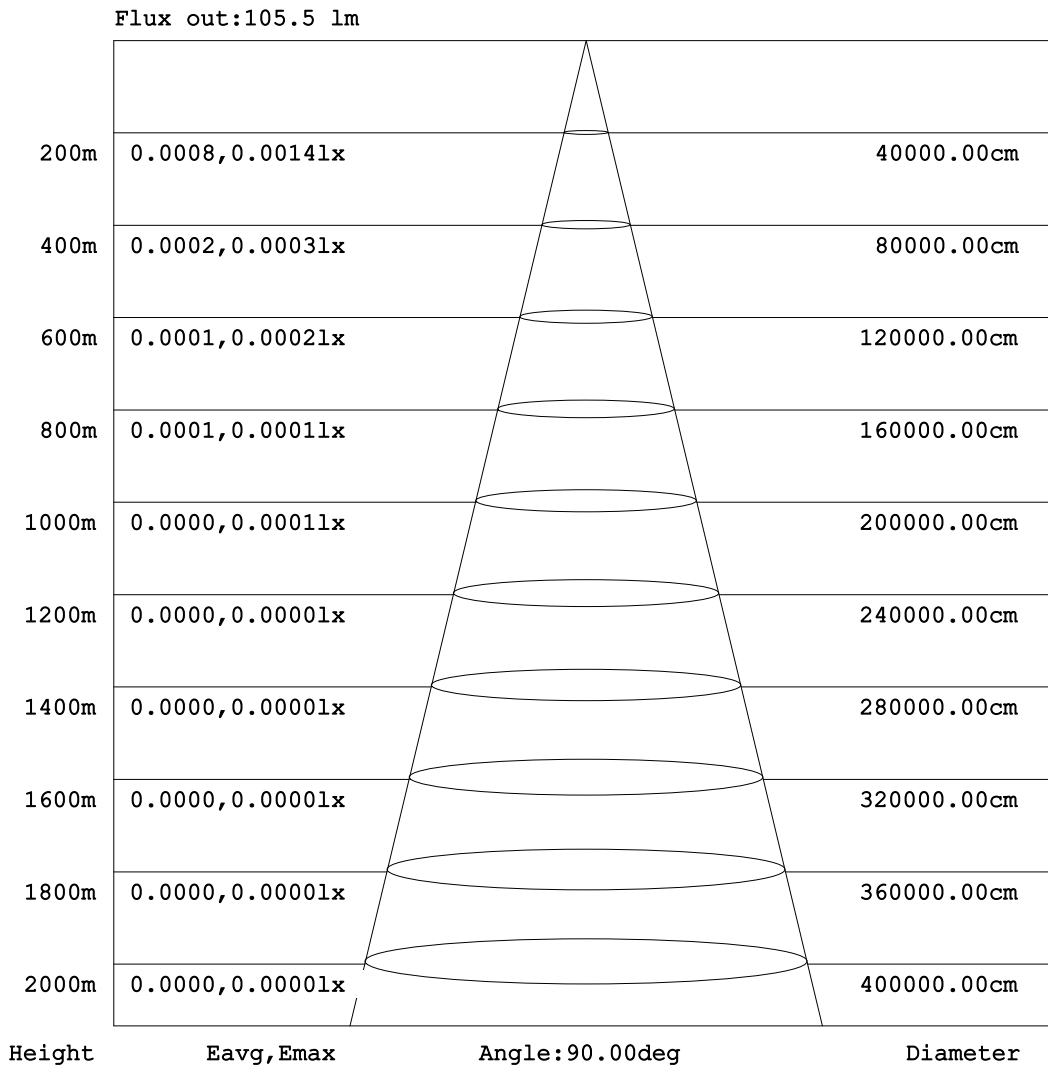


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2°C
Operators:Dano
Test Date:2023-05-15

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:0.1962A P:23.41W PF:0.9933 Freq:60.01Hz Lamp Flux:1171.86x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-BN 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | SUR.: | Shielding Angle: |



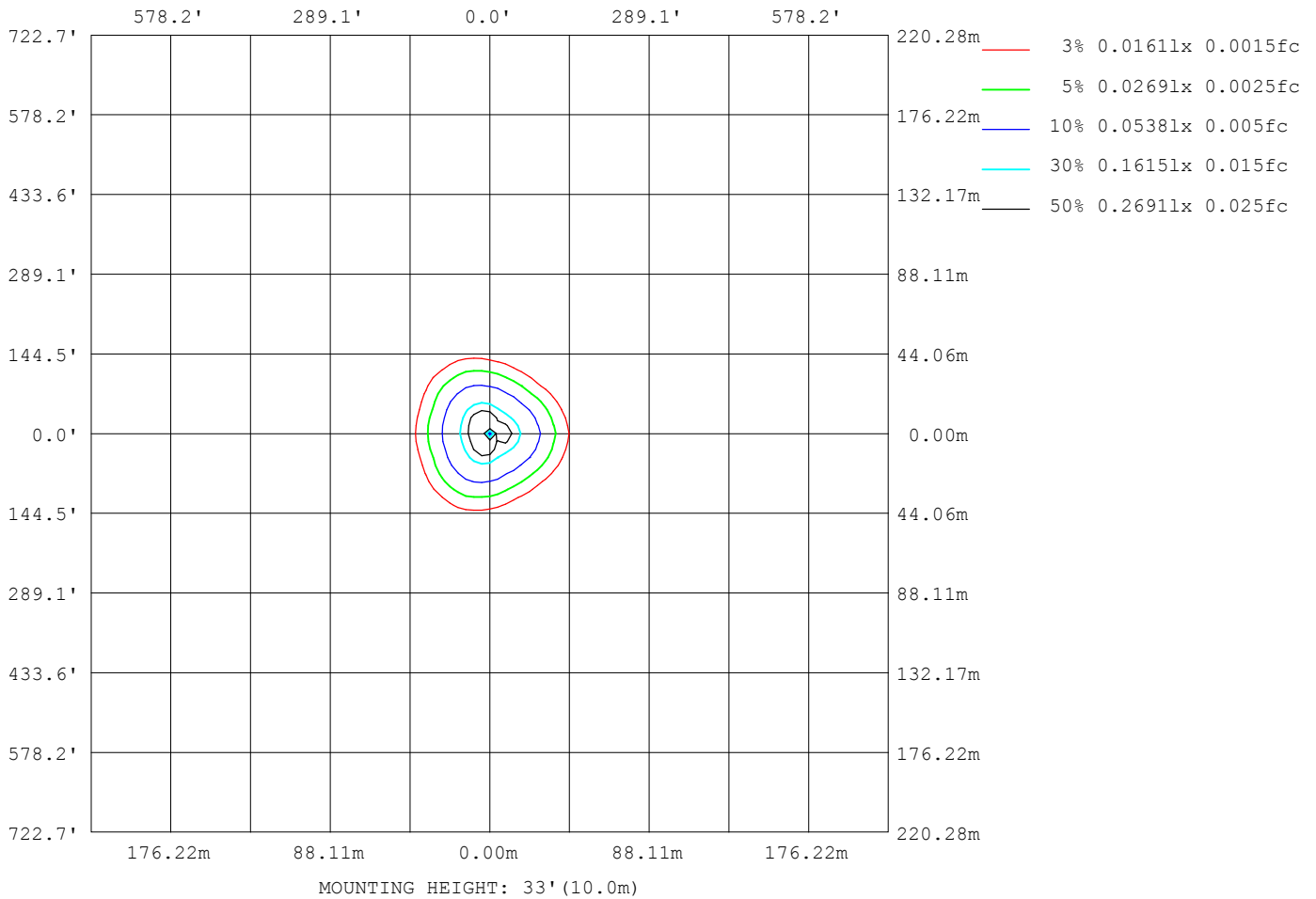
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

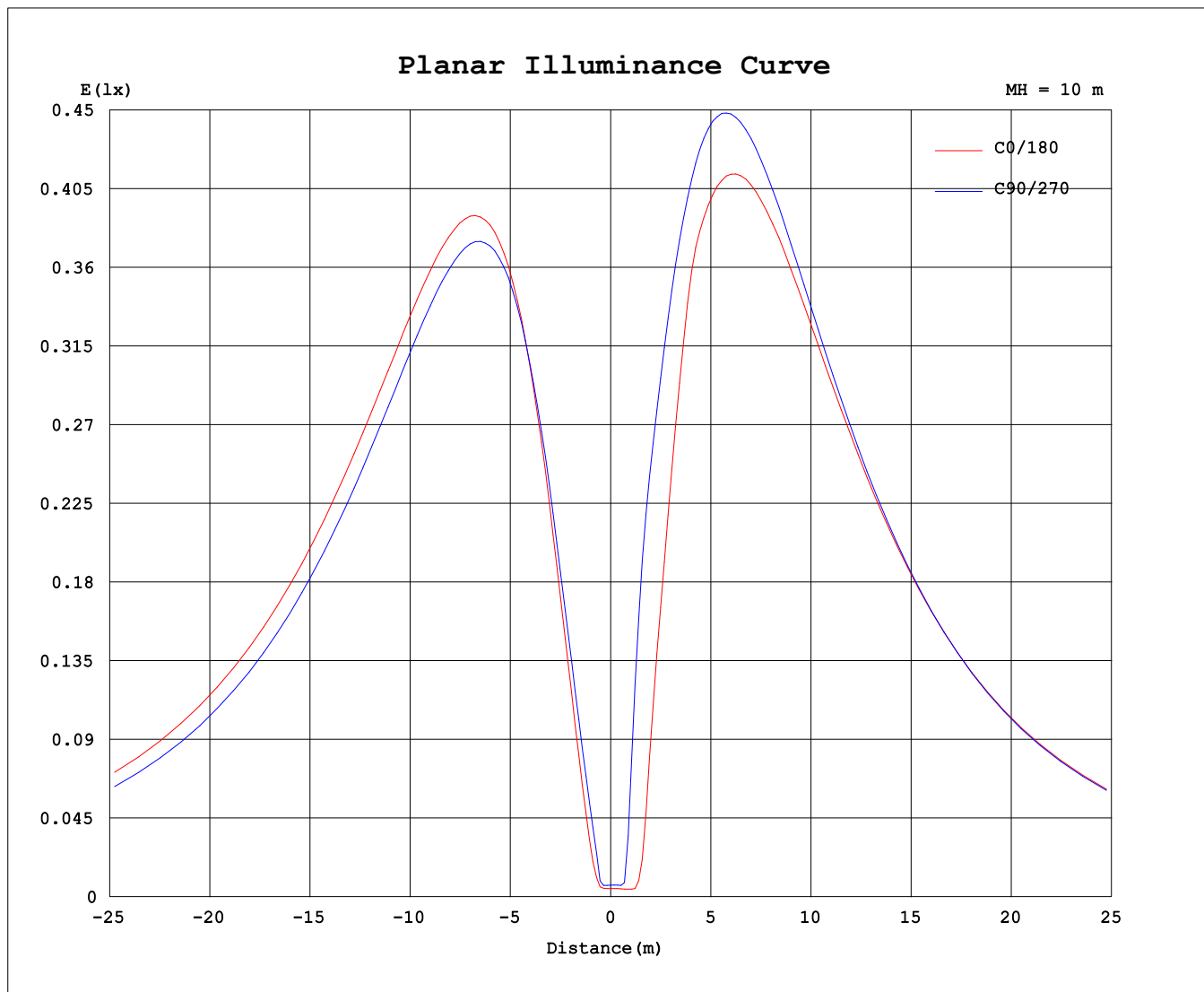
| | | |
|---|-------|------------------|
| Test:U:120.1V I:0.1962A P:23.41W PF:0.9933 Freq:60.01Hz Lamp Flux:1171.86x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-BN 3000K | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD. | SUR.: | Shielding Angle: |



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:0.1962A P:23.41W PF:0.9933 Freq:60.01Hz Lamp Flux:1171.86x1 lm | | |
| NAME: PT27-4-3x8S-952C5-MVTD-BN 3000K | 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 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | | | |
| 5 | 2.62 | 1.84 | 1.04 | 2.22 | 3.69 | 4.16 | 0.54 | 0.45 | 0.59 | 0.57 | 0.59 | 1.03 | 3.23 | 4.32 | 5.21 | 3.37 | | | |
| 10 | 13.2 | 10.19 | 6.04 | 7.33 | 11.3 | 13.3 | 10.6 | 7.26 | 6.40 | 10.54 | 18.5 | 23.9 | 21.0 | 14.6 | 11.9 | 8.51 | | | |
| 15 | 26.9 | 21.4 | 13.5 | 14.5 | 20.6 | 24.2 | 20.7 | 17.8 | 27.2 | 31.8 | 45.6 | 41.8 | 31.9 | 22.6 | 18.4 | 16.1 | | | |
| 20 | 42.5 | 34.2 | 22.3 | 21.3 | 31.0 | 36.2 | 32.0 | 29.4 | 48.9 | 54.9 | 61.9 | 56.6 | 42.9 | 31.4 | 25.4 | 25.3 | | | |
| 25 | 58.6 | 47.7 | 32.7 | 26.6 | 41.6 | 48.5 | 43.7 | 40.2 | 66.8 | 69.0 | 77.6 | 70.9 | 53.4 | 40.1 | 32.8 | 35.1 | | | |
| 30 | 74.8 | 61.3 | 43.4 | 32.3 | 52.1 | 60.6 | 55.2 | 49.7 | 81.1 | 82.4 | 92.3 | 84.3 | 63.2 | 47.7 | 40.4 | 44.7 | | | |
| 35 | 90.5 | 74.6 | 54.0 | 40.8 | 62.3 | 72.3 | 66.3 | 58.9 | 94.7 | 94.8 | 106 | 96.6 | 72.3 | 53.4 | 48.2 | 54.1 | | | |
| 40 | 106 | 87.3 | 64.4 | 50.7 | 71.8 | 83.5 | 76.9 | 67.4 | 107 | 106 | 118 | 108 | 80.4 | 57.9 | 55.6 | 63.2 | | | |
| 45 | 120 | 99.3 | 74.4 | 60.2 | 80.7 | 93.9 | 86.8 | 75.3 | 118 | 116 | 130 | 118 | 87.5 | 62.1 | 62.6 | 71.7 | | | |
| 50 | 134 | 111 | 83.6 | 69.3 | 88.8 | 104 | 96.0 | 82.3 | 128 | 125 | 139 | 127 | 93.5 | 67.2 | 68.9 | 79.7 | | | |
| 55 | 146 | 121 | 92.0 | 77.6 | 96.1 | 112 | 104 | 88.4 | 136 | 132 | 148 | 134 | 98.4 | 73.3 | 74.5 | 87.0 | | | |
| 60 | 158 | 131 | 99.6 | 85.2 | 102 | 120 | 112 | 93.6 | 143 | 137 | 154 | 140 | 102 | 78.7 | 79.3 | 93.5 | | | |
| 65 | 168 | 139 | 106 | 91.9 | 108 | 126 | 118 | 97.7 | 148 | 141 | 159 | 144 | 105 | 83.2 | 83.4 | 99.3 | | | |
| 70 | 177 | 146 | 111 | 97.5 | 112 | 131 | 123 | 101 | 151 | 144 | 162 | 147 | 107 | 86.6 | 86.7 | 104 | | | |
| 75 | 184 | 152 | 116 | 102 | 115 | 135 | 126 | 103 | 153 | 145 | 164 | 148 | 108 | 89.1 | 89.1 | 108 | | | |
| 80 | 189 | 157 | 119 | 105 | 116 | 137 | 129 | 104 | 153 | 144 | 164 | 148 | 108 | 90.5 | 90.7 | 111 | | | |
| 85 | 193 | 160 | 121 | 107 | 117 | 138 | 130 | 104 | 152 | 142 | 162 | 146 | 105 | 90.7 | 91.5 | 113 | | | |
| 90 | 195 | 161 | 121 | 107 | 116 | 137 | 129 | 103 | 149 | 139 | 158 | 143 | 103 | 89.6 | 91.4 | 114 | | | |
| 95 | 195 | 161 | 121 | 105 | 115 | 135 | 127 | 101 | 145 | 135 | 154 | 139 | 91.5 | 87.3 | 90.5 | 114 | | | |
| 100 | 192 | 159 | 119 | 102 | 111 | 131 | 124 | 97.9 | 140 | 130 | 148 | 133 | 86.2 | 84.3 | 88.8 | 112 | | | |
| 105 | 188 | 156 | 116 | 98.5 | 107 | 126 | 120 | 94.0 | 133 | 123 | 141 | 127 | 84.0 | 80.5 | 86.3 | 110 | | | |
| 110 | 182 | 151 | 112 | 93.7 | 102 | 120 | 114 | 89.3 | 125 | 116 | 133 | 119 | 80.1 | 76.1 | 83.0 | 106 | | | |
| 115 | 174 | 144 | 107 | 88.1 | 95.5 | 113 | 108 | 83.9 | 117 | 108 | 124 | 111 | 75.0 | 71.1 | 79.0 | 102 | | | |
| 120 | 165 | 137 | 101 | 81.8 | 88.7 | 105 | 101 | 77.9 | 108 | 99.7 | 114 | 103 | 69.5 | 65.7 | 74.3 | 96.1 | | | |
| 125 | 154 | 128 | 93.6 | 74.9 | 81.3 | 95.9 | 92.7 | 71.3 | 97.2 | 90.5 | 104 | 93.7 | 63.9 | 59.7 | 69.0 | 89.8 | | | |
| 130 | 142 | 118 | 85.8 | 67.4 | 73.3 | 86.6 | 84.2 | 64.2 | 86.4 | 80.7 | 93.7 | 84.3 | 57.8 | 53.1 | 63.2 | 82.7 | | | |
| 135 | 129 | 108 | 77.3 | 59.8 | 64.9 | 76.8 | 75.0 | 56.7 | 75.0 | 70.4 | 82.8 | 74.7 | 51.5 | 46.5 | 56.8 | 74.8 | | | |
| 140 | 115 | 96.2 | 68.1 | 52.2 | 56.1 | 66.7 | 65.5 | 49.0 | 63.3 | 59.6 | 71.4 | 64.9 | 45.2 | 39.5 | 49.6 | 66.0 | | | |
| 145 | 100 | 84.0 | 58.5 | 44.6 | 47.0 | 56.3 | 55.7 | 41.0 | 51.5 | 48.4 | 59.5 | 55.0 | 38.9 | 32.0 | 41.5 | 56.2 | | | |
| 150 | 84.8 | 71.1 | 48.6 | 36.8 | 37.7 | 45.6 | 45.7 | 33.0 | 39.7 | 37.3 | 47.3 | 45.0 | 32.6 | 24.4 | 32.8 | 45.6 | | | |
| 155 | 69.0 | 57.8 | 38.6 | 28.7 | 28.5 | 35.0 | 35.6 | 25.2 | 28.4 | 26.4 | 34.8 | 34.8 | 26.2 | 18.1 | 24.0 | 34.7 | | | |
| 160 | 52.8 | 44.2 | 28.8 | 20.7 | 19.6 | 24.6 | 25.6 | 17.8 | 18.0 | 16.7 | 22.8 | 24.4 | 19.2 | 13.3 | 16.0 | 24.4 | | | |
| 165 | 36.7 | 30.8 | 19.8 | 13.0 | 11.6 | 14.8 | 16.1 | 11.0 | 8.77 | 8.29 | 12.8 | 14.6 | 11.8 | 8.22 | 10.0 | 15.8 | | | |
| 170 | 21.7 | 18.3 | 12.1 | 6.35 | 4.87 | 6.51 | 7.82 | 5.11 | 2.12 | 2.07 | 4.92 | 6.27 | 5.13 | 3.06 | 3.20 | 9.31 | | | |
| 175 | 8.70 | 7.58 | 5.24 | 2.44 | 0.72 | 0.70 | 1.45 | 0.79 | 0.31 | 0.30 | 0.42 | 0.64 | 0.50 | 0.19 | 0.21 | 0.27 | | | |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.15 | 0.16 | 0.16 | 0.17 | 0.16 | 0.18 | 0.17 | 0.16 | 0.16 | 0.16 | 0.17 | | | |

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