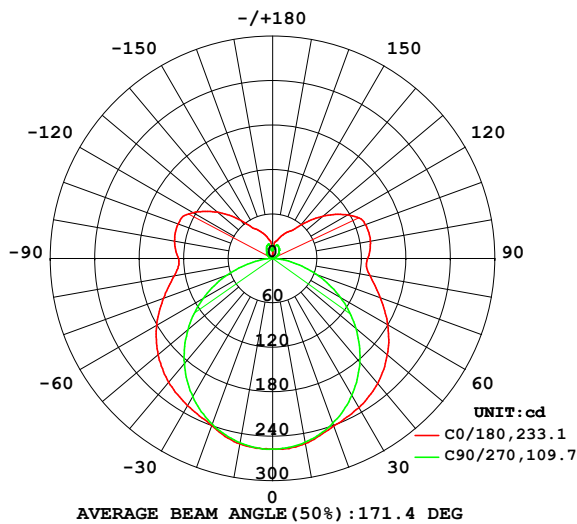


## LUMINAIRE PHOTOMETRIC TEST REPORT

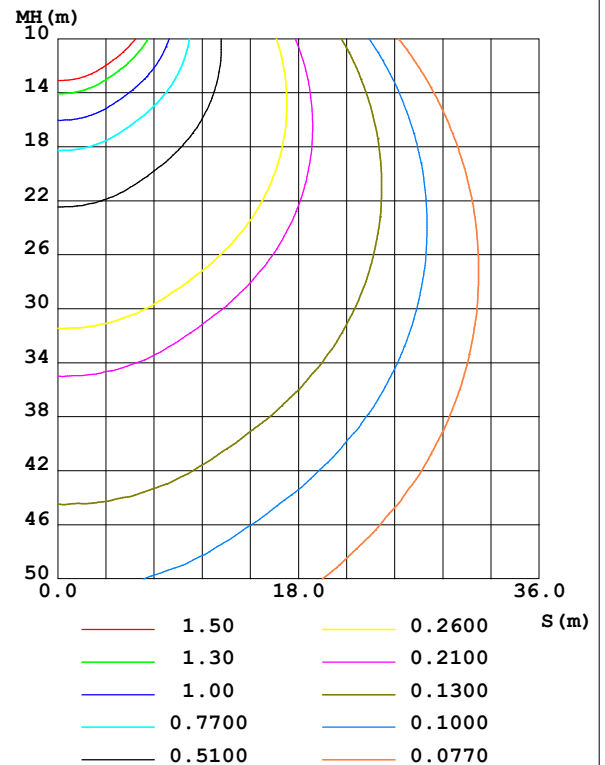
|                                                                                   |       |                  |
|-----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.1V I:0.2014A P:24.06W PF:0.9951 Freq:60.01Hz<br>Lamp Flux:1316.67x1 lm |       |                  |
| NAME: VN27-24-25S-952C5-MVTD-BN 4000K                                             | TYPE: | WEIGHT:          |
| SPEC.:                                                                            | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                             | SUR.: | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA      |         |                    |           | Eff: 54.72 lm/W |
|------------------|---------|-----------------------|---------|--------------------|-----------|-----------------|
| MODEL            |         | I <sub>max</sub> (cd) | 257.7   | S/MH (C0/180)      | 1.35      |                 |
| NOMINAL POWER(W) |         | LOR (%)               | 100.0   | S/MH (C90/270)     | 1.25      |                 |
| RATED VOLTAGE(V) | 120     | TOTAL FLUX(lm)        | 1316.7  | η UP,DN (C0-180)   | 14.0,35.7 |                 |
| NOMINAL FLUX(lm) | 1316.67 | CIE CLASS             | SEMI-D. | η UP,DN (C180-360) | 14.3,36.0 |                 |
| LAMPS INSIDE     | 1       | η up (%)              | 28.3    | CIBSE SHR NOM      | 1.50      |                 |
| TEST VOLTAGE(V)  | 120     | η down (%)            | 71.7    | CIBSE SHR MAX      | 1.55      |                 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.2℃  
Operators: Dano  
Test Date: 2023-05-31

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  | 253.7                 | 253.4 | 252.0  | 253.4 | 254.1 | 253.8 | 252.6  | 254.0 | 0- 10   | 24.37   | 24.37   | 1.85,1.85 |
| 20  | 240.8                 | 238.5 | 236.9  | 239.3 | 240.0 | 240.5 | 238.1  | 239.0 | 10- 20  | 69.80   | 94.17   | 7.15,7.15 |
| 30  | 232.8                 | 219.9 | 213.7  | 216.9 | 229.7 | 219.6 | 215.8  | 220.3 | 20- 30  | 106.4   | 200.6   | 15.2,15.2 |
| 40  | 220.5                 | 200.8 | 183.1  | 197.1 | 218.3 | 200.1 | 185.3  | 201.5 | 30- 40  | 132.4   | 333.0   | 25.3,25.3 |
| 50  | 202.2                 | 177.9 | 146.7  | 174.9 | 201.8 | 178.3 | 149.3  | 178.9 | 40- 50  | 145.5   | 478.4   | 36.3,36.3 |
| 60  | 179.2                 | 150.0 | 105.8  | 149.2 | 180.9 | 152.0 | 108.6  | 151.9 | 50- 60  | 144.5   | 622.9   | 47.3,47.3 |
| 70  | 154.7                 | 118.7 | 62.52  | 120.0 | 156.9 | 122.0 | 64.93  | 121.3 | 60- 70  | 130.0   | 752.9   | 57.2,57.2 |
| 80  | 133.4                 | 91.11 | 22.06  | 92.79 | 134.9 | 93.43 | 23.92  | 94.15 | 70- 80  | 106.0   | 858.9   | 65.2,65.2 |
| 90  | 128.5                 | 81.64 | 0.6045 | 83.49 | 127.0 | 80.78 | 0.4925 | 85.06 | 80- 90  | 85.09   | 944.0   | 71.7,71.7 |
| 100 | 134.1                 | 86.74 | 1.758  | 90.25 | 134.6 | 87.42 | 1.825  | 90.58 | 90-100  | 85.12   | 1029    | 78.2,78.2 |
| 110 | 133.5                 | 85.51 | 4.458  | 89.66 | 135.9 | 88.97 | 4.361  | 88.25 | 100-110 | 84.95   | 1114    | 84.6,84.6 |
| 120 | 117.5                 | 68.02 | 7.496  | 73.45 | 124.1 | 73.14 | 7.193  | 69.36 | 110-120 | 73.07   | 1187    | 90.2,90.2 |
| 130 | 89.18                 | 43.74 | 10.76  | 53.36 | 97.40 | 52.73 | 10.56  | 48.37 | 120-130 | 53.16   | 1240    | 94.2,94.2 |
| 140 | 58.81                 | 30.32 | 14.16  | 38.92 | 67.14 | 38.86 | 12.86  | 36.49 | 130-140 | 34.14   | 1274    | 96.8,96.8 |
| 150 | 41.63                 | 25.96 | 17.08  | 33.55 | 46.09 | 35.17 | 16.59  | 28.26 | 140-150 | 21.01   | 1295    | 98.4,98.4 |
| 160 | 31.11                 | 23.40 | 19.22  | 26.86 | 35.48 | 31.11 | 19.75  | 22.51 | 150-160 | 13.10   | 1309    | 99.4,99.4 |
| 170 | 23.29                 | 16.03 | 13.46  | 21.83 | 25.36 | 24.71 | 12.62  | 15.97 | 160-170 | 6.634   | 1315    | 99.9,99.9 |
| 180 | 0                     | 8.348 | 18.86  | 11.71 | 4.230 | 4.473 | 15.56  | 15.47 | 170-180 | 1.531   | 1317    | 100,100   |
| DEG | LUMINOUS INTENSITY:cd |       |        |       |       |       |        |       |         | UNIT:lm |         |           |

Conical surface Flux(90deg): 404.93 lm

%lum = 30.8%

%lamp = 30.8%

Conical surface Flux(120deg): 622.89 lm

%lum = 47.3%

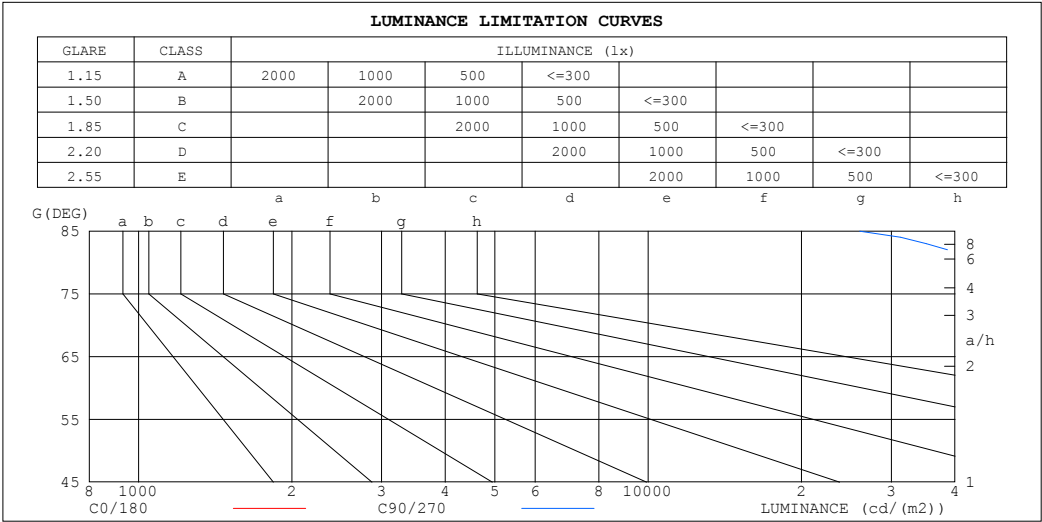
%lamp = 47.3%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-05-31

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:0.2014A P:24.06W PF:0.9951 Freq:60.01Hz<br>Lamp Flux:1316.67x1 lm |       |                  |
| NAME: VN27-24-25S-952C5-MVTD-BN 4000K                                             | 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                | 516314 | 25996   |
| 80                | 271581 | 44897   |
| 75                | 195665 | 56330   |
| 70                | 159934 | 64604   |
| 65                | 139818 | 70405   |
| 60                | 126736 | 74822   |
| 55                | 117993 | 78092   |
| 50                | 111212 | 80657   |
| 45                | 106016 | 82724   |

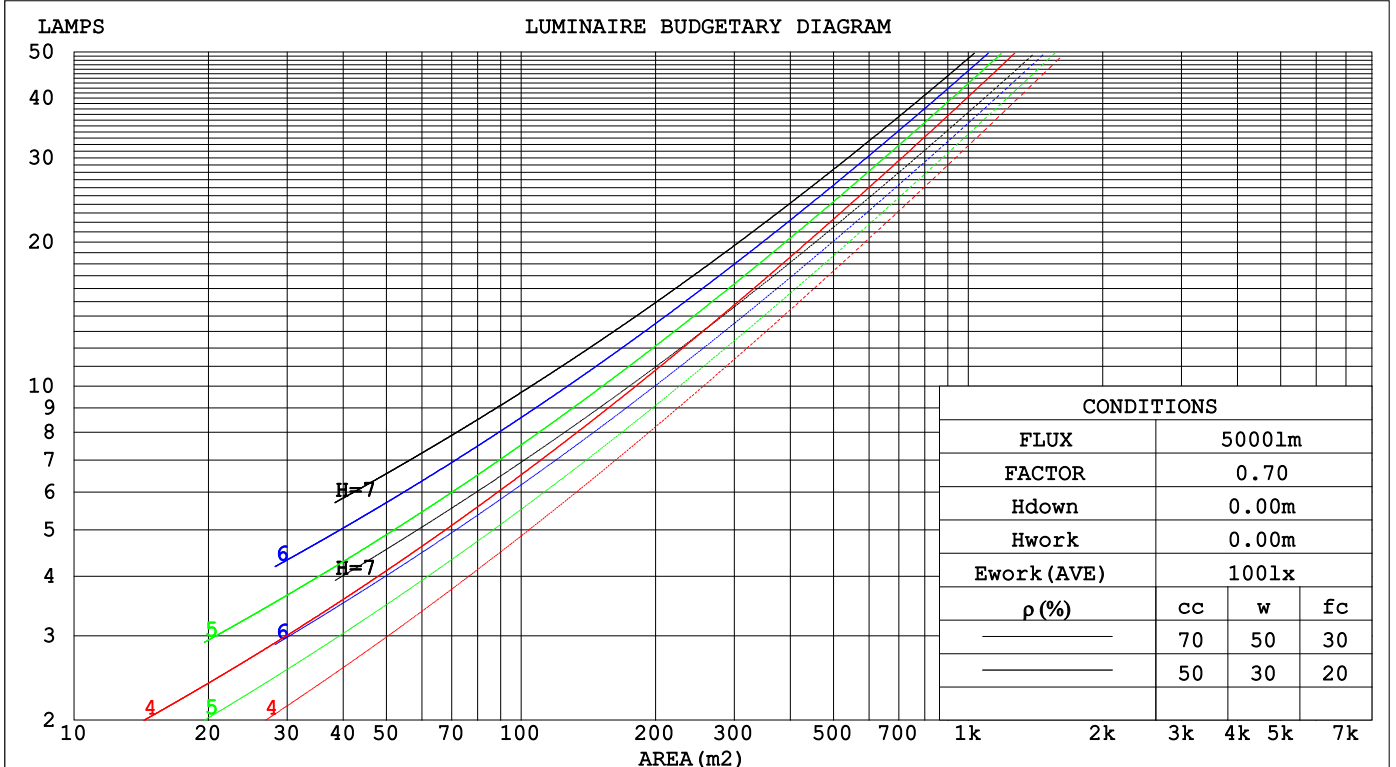
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-05-31

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:0.2014A P:24.06W PF:0.9951 Freq:60.01Hz<br>Lamp Flux:1316.67x1 lm |       |                  |
| NAME: VN27-24-25S-952C5-MVTD-BN 4000K                                             | TYPE: | WEIGHT:          |
| SPEC.:                                                                            | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                             | SUR.: | Shielding Angle: |

|                 |                       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|-----------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| pcc             | 80%                   |     |     | 70% |     |     | 50% |     |     | 30% |     |     | 10% |     |     | 0 |
| p <sub>w</sub>  | 50%                   | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| p <sub>fc</sub> | 20%                   |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 20% |     |     | 0 |
| RCR             | RCR:Room Cavity Ratio |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-05-31

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:0.2014A P:24.06W PF:0.9951 Freq:60.01Hz<br>Lamp Flux:1316.67x1 lm |       |                  |
| NAME: VN27-24-25S-952C5-MVTD-BN 4000K                                             | TYPE: | WEIGHT:          |
| SPEC.:                                                                            | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                             | SUR.: | Shielding Angle: |

| 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 |      |      |      |      |      | Wall Exitance Coefficients (WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                  |      |      |      |      |      |      |      |      |   |
| 1.0  | .367                  | .209 | .066 | .351 | .200 | .064 | .322                             | .184 | .059 | .294 | .170 | .054 | .269 | .156 | .050 |   |
| 2.0  | .320                  | .175 | .054 | .305 | .168 | .052 | .279                             | .155 | .048 | .254 | .142 | .045 | .231 | .131 | .041 |   |
| 3.0  | .285                  | .152 | .045 | .272 | .146 | .044 | .248                             | .134 | .041 | .225 | .123 | .038 | .204 | .113 | .035 |   |
| 4.0  | .258                  | .134 | .039 | .246 | .129 | .038 | .224                             | .119 | .035 | .203 | .109 | .033 | .184 | .100 | .030 |   |
| 5.0  | .235                  | .120 | .035 | .224 | .115 | .034 | .204                             | .106 | .031 | .185 | .098 | .029 | .167 | .089 | .027 |   |
| 6.0  | .216                  | .108 | .031 | .206 | .104 | .030 | .187                             | .096 | .028 | .170 | .088 | .026 | .153 | .081 | .024 |   |
| 7.0  | .199                  | .098 | .028 | .190 | .095 | .027 | .173                             | .087 | .025 | .157 | .080 | .023 | .142 | .074 | .022 |   |
| 8.0  | .185                  | .090 | .025 | .177 | .087 | .025 | .161                             | .080 | .023 | .146 | .074 | .021 | .132 | .068 | .020 |   |
| 9.0  | .173                  | .083 | .023 | .165 | .080 | .023 | .150                             | .074 | .021 | .136 | .068 | .020 | .123 | .063 | .018 |   |
| 10.0 | .162                  | .077 | .022 | .154 | .075 | .021 | .141                             | .069 | .019 | .128 | .064 | .018 | .116 | .058 | .017 |   |

| 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 |      |      |      |      |      | Ceiling Cavity Exitance Coefficients (CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .406                  | .406 | .406 | .347 | .347 | .347 | .237                                        | .237 | .237 | .136 | .136 | .136 | .044 | .044 | .044 |   |
| 1.0  | .402                  | .373 | .347 | .344 | .320 | .299 | .235                                        | .220 | .207 | .135 | .127 | .120 | .043 | .041 | .039 |   |
| 2.0  | .395                  | .351 | .314 | .338 | .302 | .271 | .232                                        | .209 | .189 | .134 | .121 | .111 | .043 | .039 | .036 |   |
| 3.0  | .388                  | .334 | .292 | .332 | .289 | .253 | .228                                        | .200 | .178 | .132 | .117 | .105 | .042 | .038 | .034 |   |
| 4.0  | .380                  | .322 | .278 | .326 | .278 | .242 | .224                                        | .194 | .170 | .130 | .114 | .101 | .042 | .037 | .033 |   |
| 5.0  | .373                  | .313 | .268 | .320 | .270 | .233 | .220                                        | .189 | .165 | .128 | .111 | .098 | .041 | .036 | .032 |   |
| 6.0  | .365                  | .305 | .261 | .314 | .264 | .228 | .217                                        | .185 | .161 | .126 | .109 | .096 | .041 | .036 | .032 |   |
| 7.0  | .359                  | .298 | .256 | .308 | .259 | .223 | .213                                        | .181 | .158 | .124 | .107 | .094 | .040 | .035 | .031 |   |
| 8.0  | .352                  | .293 | .252 | .303 | .254 | .220 | .210                                        | .178 | .156 | .122 | .105 | .093 | .039 | .035 | .031 |   |
| 9.0  | .346                  | .288 | .249 | .298 | .250 | .217 | .207                                        | .176 | .154 | .120 | .104 | .092 | .039 | .034 | .031 |   |
| 10.0 | .340                  | .284 | .247 | .293 | .247 | .215 | .204                                        | .174 | .153 | .119 | .103 | .091 | .039 | .034 | .030 |   |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-05-31

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:0.2014A P:24.06W PF:0.9951 Freq:60.01Hz<br>Lamp Flux:1316.67x1 lm |                  |      |      |      |       |                |      |                  |      |      |
| NAME: VN27-24-25S-952C5-MVTD-BN 4000K                                             |                  |      |      |      | 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                                                                     | 25.4             | 27.8 | 26.7 | 29.2 | 30.9  | 22.7           | 25.1 | 24.0             | 26.5 | 28.2 |
| 3H                                                                                | 28.0             | 30.2 | 29.4 | 31.7 | 33.4  | 24.1           | 26.3 | 25.5             | 27.8 | 29.5 |
| 4H                                                                                | 29.4             | 31.5 | 30.8 | 32.9 | 34.7  | 24.5           | 26.6 | 26.0             | 28.1 | 29.9 |
| 6H                                                                                | 30.9             | 32.9 | 32.4 | 34.3 | 36.2  | 24.7           | 26.7 | 26.2             | 28.2 | 30.0 |
| 8H                                                                                | 31.7             | 33.6 | 33.2 | 35.2 | 37.0  | 24.7           | 26.6 | 26.2             | 28.1 | 30.0 |
| 12H                                                                               | 32.8             | 34.6 | 34.3 | 36.1 | 38.0  | 24.7           | 26.5 | 26.2             | 28.0 | 29.9 |
| 4H 2H                                                                             | 25.5             | 27.6 | 26.9 | 29.1 | 30.8  | 23.6           | 25.7 | 25.0             | 27.1 | 28.9 |
| 3H                                                                                | 28.4             | 30.2 | 29.9 | 31.7 | 33.6  | 25.3           | 27.1 | 26.8             | 28.6 | 30.5 |
| 4H                                                                                | 29.9             | 31.6 | 31.5 | 33.2 | 35.1  | 25.9           | 27.6 | 27.4             | 29.1 | 31.0 |
| 6H                                                                                | 31.7             | 33.2 | 33.3 | 34.8 | 36.7  | 26.3           | 27.8 | 27.9             | 29.4 | 31.3 |
| 8H                                                                                | 32.7             | 34.1 | 34.3 | 35.7 | 37.7  | 26.4           | 27.7 | 27.9             | 29.4 | 31.3 |
| 12H                                                                               | 33.9             | 35.2 | 35.5 | 36.8 | 38.8  | 26.3           | 27.6 | 28.0             | 29.3 | 31.3 |
| 8H 4H                                                                             | 30.1             | 31.5 | 31.7 | 33.1 | 35.1  | 26.9           | 28.3 | 28.5             | 29.9 | 31.9 |
| 6H                                                                                | 32.1             | 33.3 | 33.8 | 35.0 | 37.0  | 27.7           | 28.9 | 29.4             | 30.6 | 32.6 |
| 8H                                                                                | 33.4             | 34.4 | 35.0 | 36.1 | 38.2  | 28.0           | 29.1 | 29.7             | 30.7 | 32.8 |
| 12H                                                                               | 34.8             | 35.8 | 36.5 | 37.5 | 39.6  | 28.2           | 29.1 | 29.8             | 30.8 | 32.9 |
| 12H 4H                                                                            | 30.0             | 31.3 | 31.7 | 33.0 | 34.9  | 27.3           | 28.6 | 28.9             | 30.2 | 32.2 |
| 6H                                                                                | 32.2             | 33.2 | 33.9 | 34.9 | 37.0  | 28.3           | 29.4 | 30.0             | 31.1 | 33.1 |
| 8H                                                                                | 33.5             | 34.5 | 35.2 | 36.2 | 38.3  | 28.8           | 29.8 | 30.5             | 31.5 | 33.6 |
| CIE190: 2010                                                                      |                  |      |      |      |       |                |      |                  |      |      |
|                                                                                   |                  |      |      |      |       |                |      |                  |      |      |

CIE190: 2010  
Area: 0.002827 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-05-31

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:0.2014A P:24.06W PF:0.9951 Freq:60.01Hz<br>Lamp Flux:1316.67x1 lm |       |                  |
| NAME: VN27-24-25S-952C5-MVTD-BN 4000K                                             | TYPE: | WEIGHT:          |
| SPEC.:                                                                            | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                             | SUR.: | Shielding Angle: |

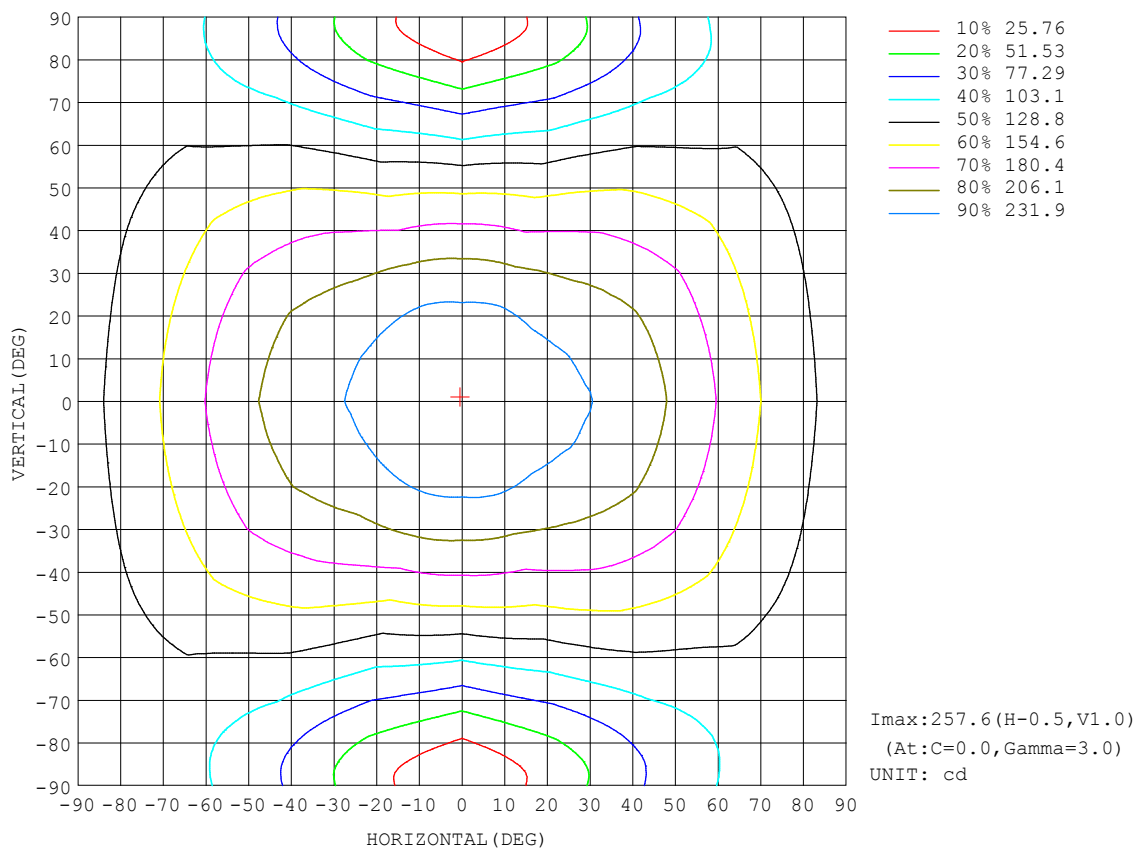
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 45                                                   | 33  | 26        | 44  | 32  | 26  | 42  | 31            | 25  | 18     |
| 0.80                             | 54                                                   | 42  | 34        | 53  | 41  | 33  | 49  | 39            | 32  | 24     |
| 1.00                             | 62                                                   | 49  | 41        | 60  | 48  | 40  | 55  | 47            | 38  | 29     |
| 1.25                             | 69                                                   | 56  | 48        | 66  | 55  | 47  | 61  | 51            | 44  | 34     |
| 1.50                             | 74                                                   | 62  | 53        | 71  | 60  | 52  | 65  | 56            | 49  | 37     |
| 2.00                             | 82                                                   | 70  | 62        | 78  | 68  | 60  | 71  | 63            | 56  | 43     |
| 2.50                             | 86                                                   | 76  | 68        | 82  | 73  | 65  | 74  | 67            | 61  | 46     |
| 3.00                             | 90                                                   | 80  | 73        | 85  | 77  | 70  | 77  | 71            | 65  | 49     |
| 4.00                             | 95                                                   | 87  | 80        | 90  | 83  | 77  | 81  | 75            | 71  | 53     |
| 5.00                             | 98                                                   | 91  | 85        | 93  | 86  | 81  | 83  | 79            | 74  | 56     |
| 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℃  
 Operators: Dano  
 Test Date: 2023-05-31

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:0.2014A P:24.06W PF:0.9951 Freq:60.01Hz<br>Lamp Flux:1316.67x1 lm |       |                  |
| NAME: VN27-24-25S-952C5-MVTD-BN 4000K                                             | TYPE: | WEIGHT:          |
| SPEC.:                                                                            | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                             | SUR.: | Shielding Angle: |



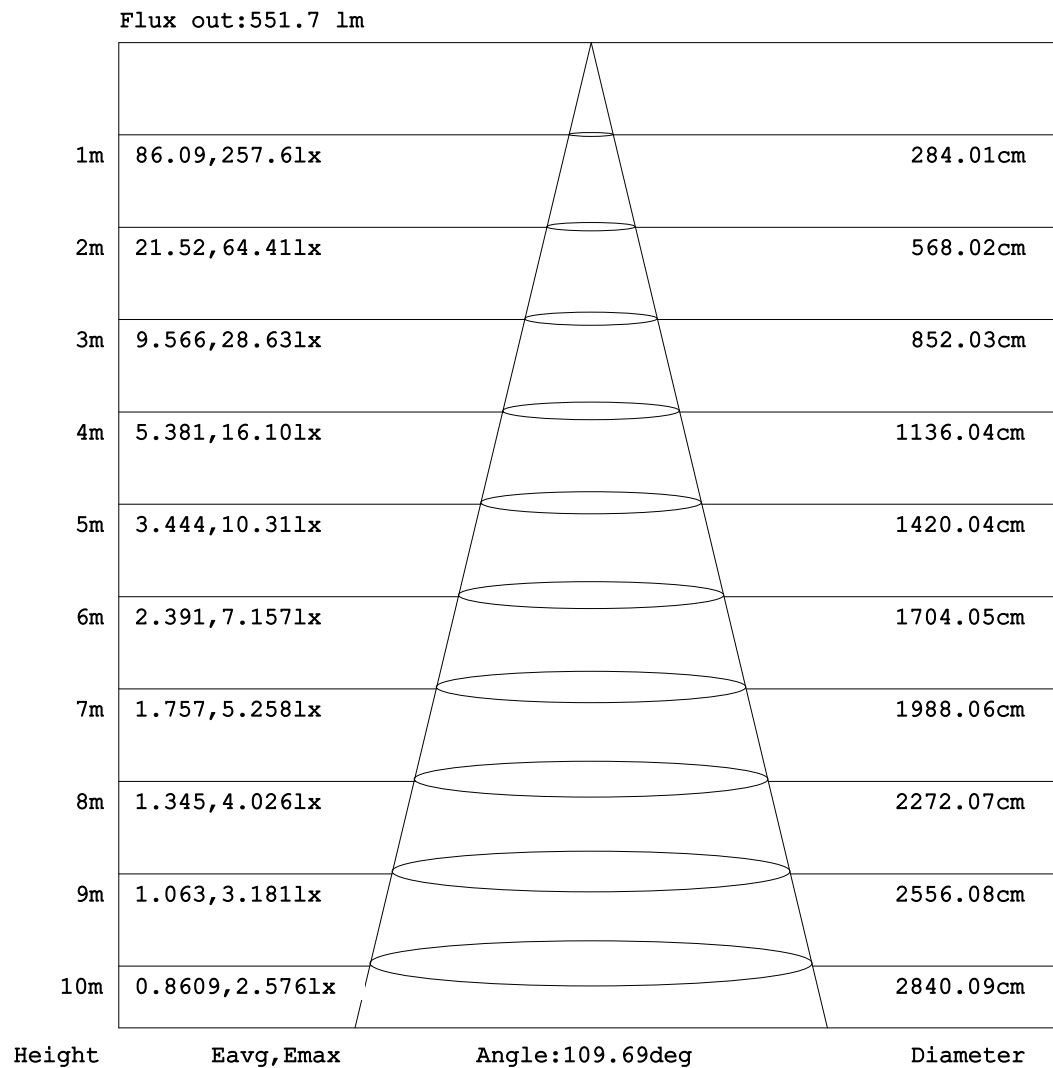
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-05-31

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:0.2014A P:24.06W PF:0.9951 Freq:60.01Hz<br>Lamp Flux:1316.67x1 lm |       |                  |
| NAME: VN27-24-25S-952C5-MVTD-BN 4000K                                             | TYPE: | WEIGHT:          |
| SPEC.:                                                                            | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                             | SUR.: | Shielding Angle: |



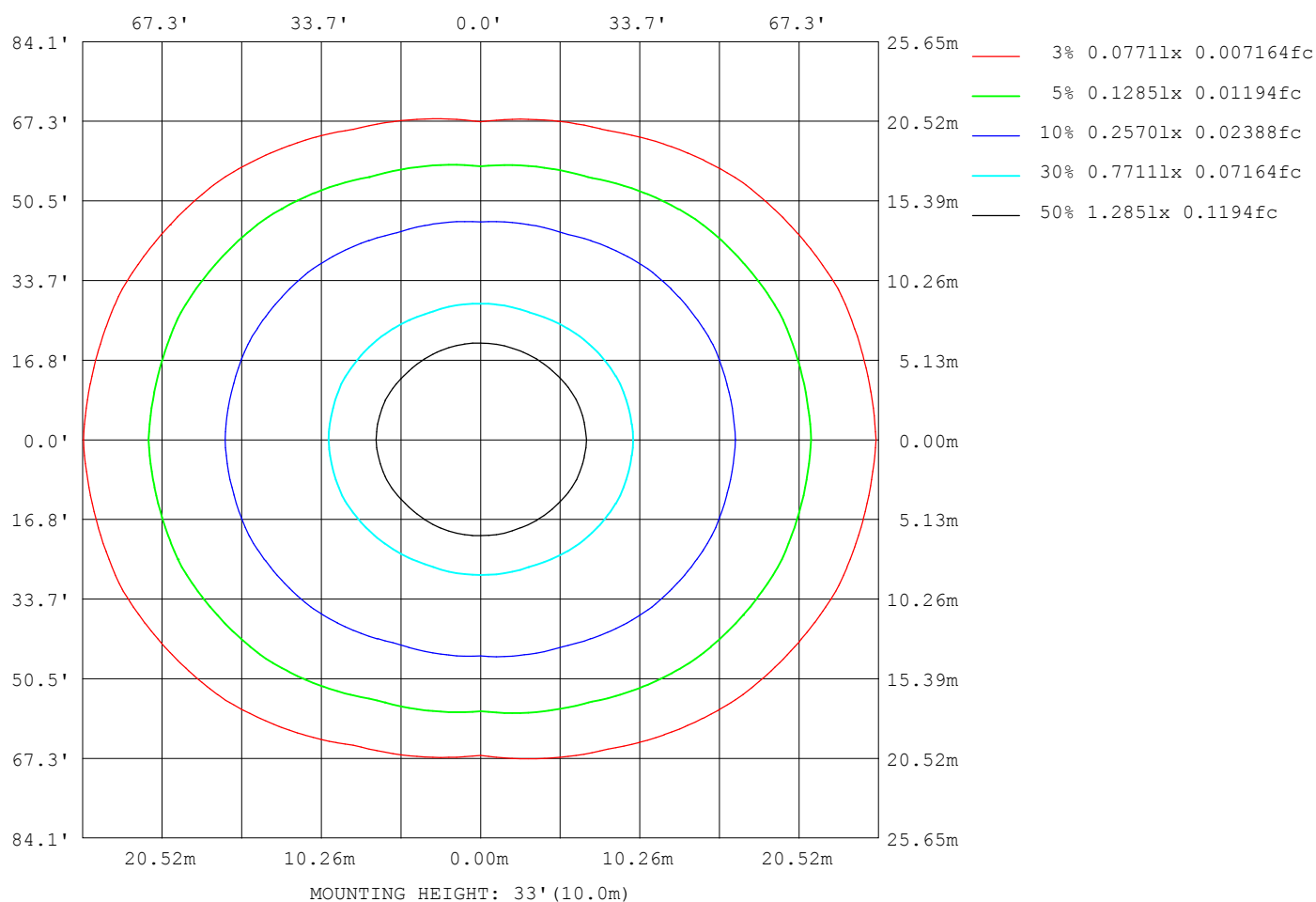
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-05-31

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

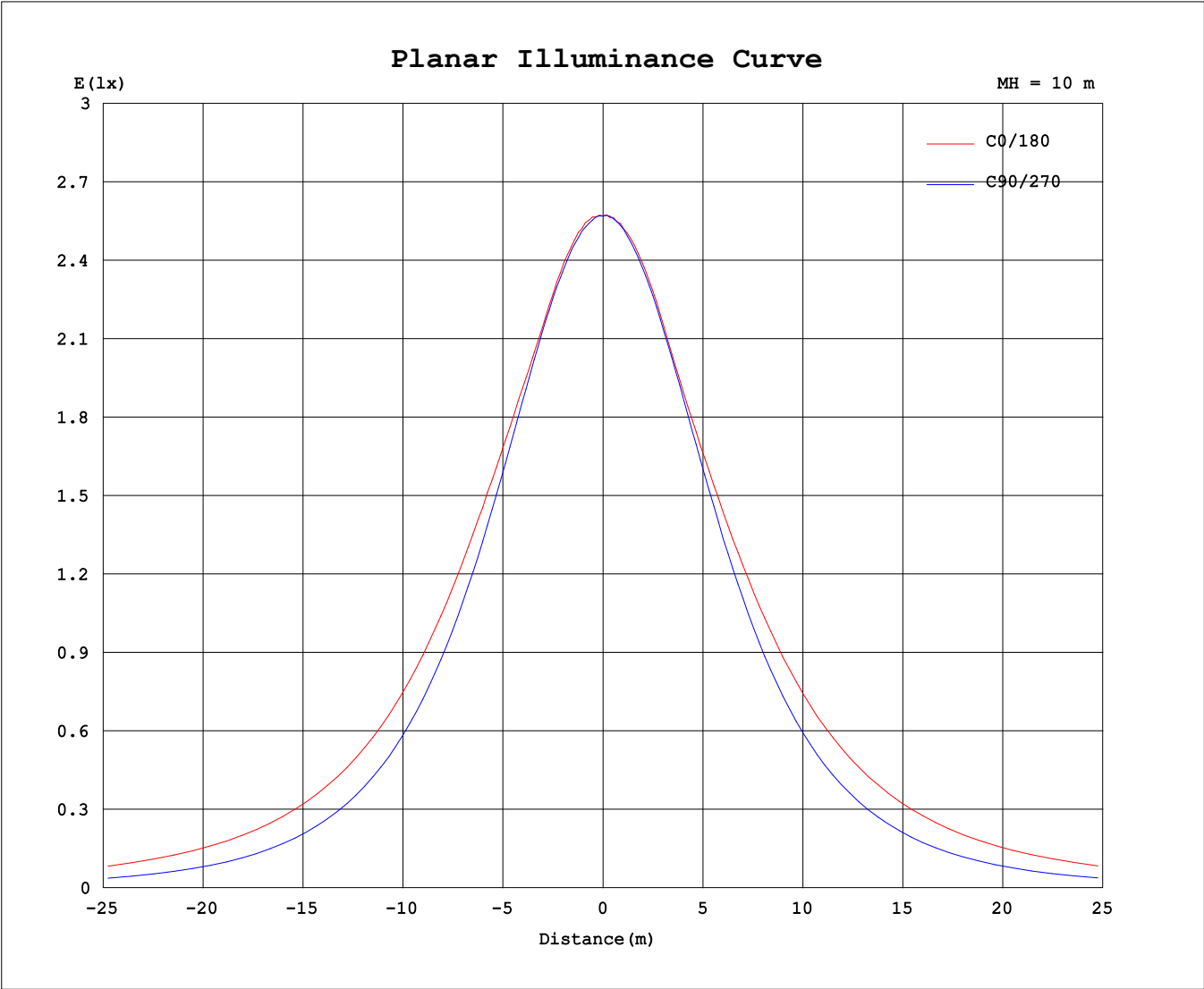
|                                                                                   |       |                  |
|-----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.1V I:0.2014A P:24.06W PF:0.9951 Freq:60.01Hz<br>Lamp Flux:1316.67x1 lm |       |                  |
| NAME: VN27-24-25S-952C5-MVTD-BN 4000K                                             | 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℃  
Operators:Dano  
Test Date:2023-05-31

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℃  
Operators:Dano  
Test Date:2023-05-31

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:0.2014A P:24.06W PF:0.9951 Freq:60.01Hz<br>Lamp Flux:1316.67x1 lm |  |  |  |  |  |  |  |  |       |  |  |  |  |  |                  |  |  |
| NAME: VN27-24-25S-952C5-MVTD-BN 4000K                                             |  |  |  |  |  |  |  |  | TYPE: |  |  |  |  |  | WEIGHT:          |  |  |
| SPEC.:                                                                            |  |  |  |  |  |  |  |  | DIM.: |  |  |  |  |  | SERIAL No.:      |  |  |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                             |  |  |  |  |  |  |  |  | SUR.: |  |  |  |  |  | Shielding Angle: |  |  |

Table--1

UNIT: cd

| C (DEG)<br>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                  | 257  | 257  | 257  | 257  | 257  | 257   | 257  | 257   | 257  | 257   | 257  | 257   | 257  | 257   | 257  | 257   |  |  |  |
| 5                  | 257  | 257  | 256  | 256  | 256  | 256   | 256  | 257   | 257  | 256   | 256  | 256   | 256  | 256   | 257  | 257   |  |  |  |
| 10                 | 254  | 254  | 253  | 252  | 252  | 252   | 253  | 254   | 254  | 254   | 254  | 252   | 253  | 253   | 254  | 255   |  |  |  |
| 15                 | 247  | 247  | 247  | 246  | 245  | 246   | 248  | 248   | 249  | 249   | 249  | 247   | 247  | 247   | 248  | 248   |  |  |  |
| 20                 | 241  | 239  | 238  | 238  | 237  | 238   | 239  | 239   | 240  | 240   | 240  | 239   | 238  | 239   | 239  | 240   |  |  |  |
| 25                 | 237  | 234  | 229  | 227  | 226  | 228   | 228  | 232   | 234  | 232   | 230  | 229   | 228  | 229   | 229  | 234   |  |  |  |
| 30                 | 233  | 228  | 220  | 215  | 214  | 216   | 217  | 225   | 230  | 227   | 220  | 217   | 216  | 216   | 220  | 229   |  |  |  |
| 35                 | 227  | 223  | 211  | 200  | 199  | 201   | 207  | 219   | 224  | 221   | 210  | 203   | 202  | 202   | 211  | 223   |  |  |  |
| 40                 | 221  | 215  | 201  | 185  | 183  | 185   | 197  | 212   | 218  | 213   | 200  | 187   | 185  | 186   | 201  | 216   |  |  |  |
| 45                 | 212  | 206  | 190  | 170  | 166  | 168   | 187  | 204   | 211  | 205   | 190  | 171   | 168  | 170   | 191  | 207   |  |  |  |
| 50                 | 202  | 195  | 178  | 154  | 147  | 151   | 175  | 194   | 202  | 195   | 178  | 155   | 149  | 154   | 179  | 196   |  |  |  |
| 55                 | 191  | 183  | 164  | 138  | 127  | 134   | 162  | 184   | 192  | 185   | 166  | 139   | 130  | 138   | 166  | 185   |  |  |  |
| 60                 | 179  | 171  | 150  | 121  | 106  | 117   | 149  | 172   | 181  | 173   | 152  | 122   | 109  | 121   | 152  | 173   |  |  |  |
| 65                 | 167  | 157  | 135  | 104  | 84.2 | 99.7  | 135  | 160   | 169  | 160   | 137  | 105   | 87.0 | 103   | 137  | 160   |  |  |  |
| 70                 | 155  | 144  | 119  | 85.5 | 62.5 | 82.3  | 120  | 147   | 157  | 147   | 122  | 87.2  | 64.9 | 85.5  | 121  | 147   |  |  |  |
| 75                 | 143  | 132  | 104  | 67.6 | 41.3 | 65.4  | 105  | 134   | 145  | 134   | 107  | 69.7  | 43.5 | 67.9  | 107  | 134   |  |  |  |
| 80                 | 133  | 121  | 91.1 | 51.5 | 22.1 | 49.8  | 92.8 | 124   | 135  | 123   | 93.4 | 53.2  | 23.9 | 51.6  | 94.1 | 124   |  |  |  |
| 85                 | 127  | 114  | 82.1 | 40.2 | 6.41 | 38.3  | 84.1 | 116   | 128  | 115   | 83.5 | 41.0  | 7.71 | 40.0  | 85.4 | 117   |  |  |  |
| 90                 | 128  | 114  | 81.6 | 38.4 | 0.60 | 36.7  | 83.5 | 116   | 127  | 113   | 80.8 | 37.4  | 0.49 | 38.0  | 85.1 | 117   |  |  |  |
| 95                 | 132  | 118  | 84.7 | 41.2 | 1.19 | 40.4  | 87.4 | 120   | 132  | 117   | 84.6 | 40.8  | 1.04 | 41.1  | 88.3 | 121   |  |  |  |
| 100                | 134  | 120  | 86.7 | 43.5 | 1.76 | 42.7  | 90.3 | 123   | 135  | 120   | 87.4 | 43.9  | 1.83 | 43.0  | 90.6 | 123   |  |  |  |
| 105                | 135  | 120  | 88.0 | 39.5 | 3.17 | 39.7  | 92.1 | 125   | 136  | 122   | 89.4 | 41.5  | 3.16 | 39.4  | 91.7 | 124   |  |  |  |
| 110                | 133  | 120  | 85.5 | 33.6 | 4.46 | 35.1  | 89.7 | 125   | 136  | 122   | 89.0 | 36.4  | 4.36 | 34.3  | 88.3 | 123   |  |  |  |
| 115                | 129  | 114  | 77.5 | 26.3 | 5.87 | 30.0  | 82.4 | 121   | 134  | 119   | 82.0 | 30.6  | 5.67 | 28.5  | 80.2 | 118   |  |  |  |
| 120                | 117  | 103  | 68.0 | 20.2 | 7.50 | 27.2  | 73.5 | 110   | 124  | 109   | 73.1 | 24.7  | 7.19 | 25.9  | 69.4 | 106   |  |  |  |
| 125                | 104  | 90.8 | 57.4 | 19.7 | 9.06 | 26.3  | 63.6 | 98.3  | 111  | 97.5  | 63.6 | 21.8  | 8.89 | 24.9  | 57.2 | 93.3  |  |  |  |
| 130                | 89.2 | 77.3 | 43.7 | 20.2 | 10.8 | 25.4  | 53.4 | 84.9  | 97.4 | 84.8  | 52.7 | 18.8  | 10.6 | 23.7  | 48.4 | 79.4  |  |  |  |
| 135                | 73.9 | 63.5 | 34.8 | 20.6 | 12.4 | 24.3  | 44.0 | 71.1  | 82.5 | 71.5  | 43.8 | 19.2  | 11.5 | 22.3  | 40.1 | 63.9  |  |  |  |
| 140                | 58.8 | 50.3 | 30.3 | 20.5 | 14.2 | 23.5  | 38.9 | 56.3  | 67.1 | 58.5  | 38.9 | 20.4  | 12.9 | 20.8  | 36.5 | 47.7  |  |  |  |
| 145                | 46.7 | 42.5 | 27.8 | 20.0 | 15.6 | 22.7  | 36.6 | 47.4  | 53.8 | 47.9  | 36.8 | 22.2  | 14.8 | 19.7  | 32.5 | 40.5  |  |  |  |
| 150                | 41.6 | 38.2 | 26.0 | 19.5 | 17.1 | 22.2  | 33.5 | 42.6  | 46.1 | 43.6  | 35.2 | 23.9  | 16.6 | 18.6  | 28.3 | 37.7  |  |  |  |
| 155                | 36.4 | 29.8 | 24.6 | 19.3 | 18.4 | 22.0  | 30.5 | 37.8  | 40.9 | 39.6  | 33.5 | 24.6  | 18.7 | 16.7  | 24.4 | 32.2  |  |  |  |
| 160                | 31.1 | 23.2 | 23.4 | 19.9 | 19.2 | 21.9  | 26.9 | 32.2  | 35.5 | 35.0  | 31.1 | 24.5  | 19.8 | 18.4  | 22.5 | 27.0  |  |  |  |
| 165                | 26.0 | 21.3 | 22.7 | 19.8 | 18.0 | 19.6  | 24.5 | 28.2  | 30.0 | 29.9  | 27.6 | 24.1  | 19.8 | 18.4  | 20.4 | 24.0  |  |  |  |
| 170                | 23.3 | 19.3 | 16.0 | 12.3 | 13.5 | 15.8  | 21.8 | 24.9  | 25.4 | 25.3  | 24.7 | 22.4  | 12.6 | 12.7  | 16.0 | 19.8  |  |  |  |
| 175                | 16.1 | 11.1 | 10.8 | 11.8 | 13.0 | 13.8  | 14.5 | 19.8  | 18.6 | 18.6  | 20.9 | 13.1  | 11.2 | 12.0  | 12.7 | 13.2  |  |  |  |
| 180                | 0.00 | 3.00 | 8.35 | 16.1 | 18.9 | 16.6  | 11.7 | 9.04  | 4.23 | 4.25  | 4.47 | 9.53  | 15.6 | 17.6  | 15.5 | 12.7  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-05-31

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
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