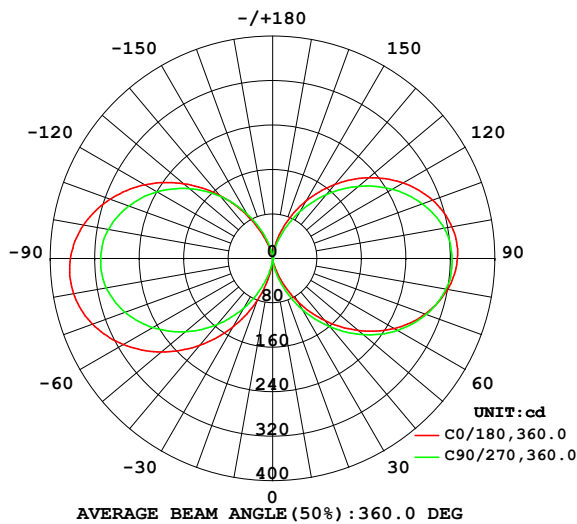


## LUMINAIRE PHOTOMETRIC TEST REPORT

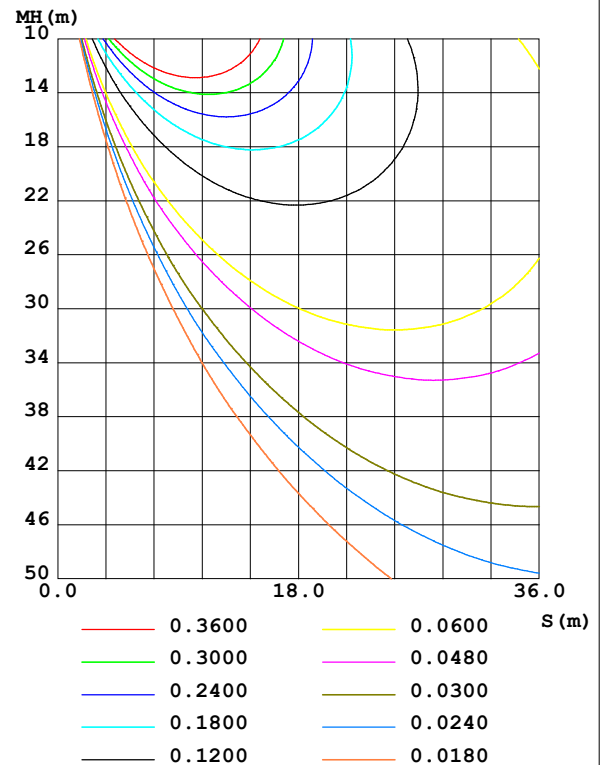
|                                                                                   |       |                  |
|-----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.1V I:0.3776A P:45.02W PF:0.9930 Freq:60.01Hz<br>Lamp Flux:2769.63x1 lm |       |                  |
| NAME: IDRC16LAJUDSB 4000K                                                         | TYPE: | WEIGHT:          |
| SPEC.:                                                                            | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                             | SUR.: | Shielding Angle: |

| DATA OF LAMP     |         | PHOTOMETRIC DATA |         |                         |           | Eff: 61.53 lm/W |
|------------------|---------|------------------|---------|-------------------------|-----------|-----------------|
| MODEL            |         | Imax (cd)        | 366.5   | S/MH (C0/180)           | 21.29     |                 |
| NOMINAL POWER(W) |         | LOR (%)          | 100.0   | S/MH (C90/270)          | 20.22     |                 |
| RATED VOLTAGE(V) | 120     | TOTAL FLUX(lm)   | 2769.6  | $\eta$ UP,DN (C0-180)   | 24.8,25.5 |                 |
| NOMINAL FLUX(lm) | 2769.63 | CIE CLASS        | DIFFUSE | $\eta$ UP,DN (C180-360) | 24.3,25.4 |                 |
| LAMPS INSIDE     | 1       | $\eta$ up (%)    | 49.1    | CIBSE SHR NOM           | 1.50      |                 |
| TEST VOLTAGE(V)  | 120     | $\eta$ down (%)  | 50.9    | 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°C  
Operators: Dano  
Test Date: 2023-07-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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  | 3.186                 | 4.146  | 11.63  | 20.49  | 24.66  | 20.37  | 11.92  | 3.797  | 0- 10   | 0.5555  | 0.5555  | 0.02,0.02 |
| 20  | 36.52                 | 38.03  | 53.01  | 67.98  | 78.98  | 64.73  | 50.70  | 37.36  | 10- 20  | 9.341   | 9.896   | 0.36,0.36 |
| 30  | 88.31                 | 88.38  | 105.2  | 126.2  | 141.3  | 118.6  | 102.5  | 86.24  | 20- 30  | 37.08   | 46.98   | 1.7,1.7   |
| 40  | 145.7                 | 142.5  | 160.7  | 184.8  | 204.0  | 173.1  | 155.2  | 138.6  | 30- 40  | 83.99   | 131.0   | 4.73,4.73 |
| 50  | 201.8                 | 193.1  | 213.6  | 239.1  | 261.9  | 221.8  | 205.5  | 189.9  | 40- 50  | 144.5   | 275.5   | 9.95,9.95 |
| 60  | 252.3                 | 234.9  | 259.3  | 283.9  | 310.2  | 264.3  | 248.8  | 235.5  | 50- 60  | 209.9   | 485.4   | 17.5,17.5 |
| 70  | 292.5                 | 270.0  | 294.3  | 314.8  | 345.2  | 297.1  | 282.7  | 270.6  | 60- 70  | 269.8   | 755.2   | 27.3,27.3 |
| 80  | 320.1                 | 295.0  | 316.8  | 332.9  | 363.8  | 316.1  | 304.1  | 292.0  | 70- 80  | 315.3   | 1071    | 38.7,38.7 |
| 90  | 332.5                 | 305.0  | 322.6  | 335.6  | 363.9  | 319.4  | 309.4  | 302.8  | 80- 90  | 339.2   | 1410    | 50.9,50.9 |
| 100 | 327.7                 | 298.0  | 313.3  | 319.5  | 345.9  | 304.7  | 300.4  | 296.2  | 90-100  | 336.6   | 1746    | 63.1,63.1 |
| 110 | 306.8                 | 276.7  | 287.1  | 288.3  | 311.5  | 275.4  | 275.8  | 276.0  | 100-110 | 307.5   | 2054    | 74.2,74.2 |
| 120 | 271.7                 | 244.2  | 249.2  | 245.7  | 265.7  | 239.4  | 240.2  | 245.0  | 110-120 | 261.2   | 2315    | 83.6,83.6 |
| 130 | 226.1                 | 203.1  | 202.2  | 198.2  | 209.3  | 194.2  | 195.7  | 205.7  | 120-130 | 200.5   | 2516    | 90.8,90.8 |
| 140 | 173.6                 | 154.1  | 149.8  | 142.8  | 148.3  | 140.5  | 145.8  | 157.8  | 130-140 | 135.9   | 2651    | 95.7,95.7 |
| 150 | 118.5                 | 103.2  | 96.50  | 87.04  | 86.38  | 84.03  | 93.39  | 103.2  | 140-150 | 77.38   | 2729    | 98.5,98.5 |
| 160 | 63.84                 | 53.46  | 45.84  | 36.81  | 32.13  | 31.88  | 43.70  | 51.09  | 150-160 | 32.87   | 2762    | 99.7,99.7 |
| 170 | 18.83                 | 14.76  | 9.082  | 3.043  | 1.674  | 1.570  | 8.846  | 12.80  | 160-170 | 7.546   | 2769    | 100,100   |
| 180 | 0.7287                | 0.0054 | 0.7564 | 0.3259 | 0.8284 | 0.3138 | 0.3159 | 0.4600 | 170-180 | 0.3682  | 2770    | 100,100   |
| DEG | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |         | UNIT:lm |         |           |

Conical surface Flux(90deg): 195.13 lm

%lum = 7.0%

%lamp = 7.0%

Conical surface Flux(120deg): 485.4 lm

%lum = 17.5%

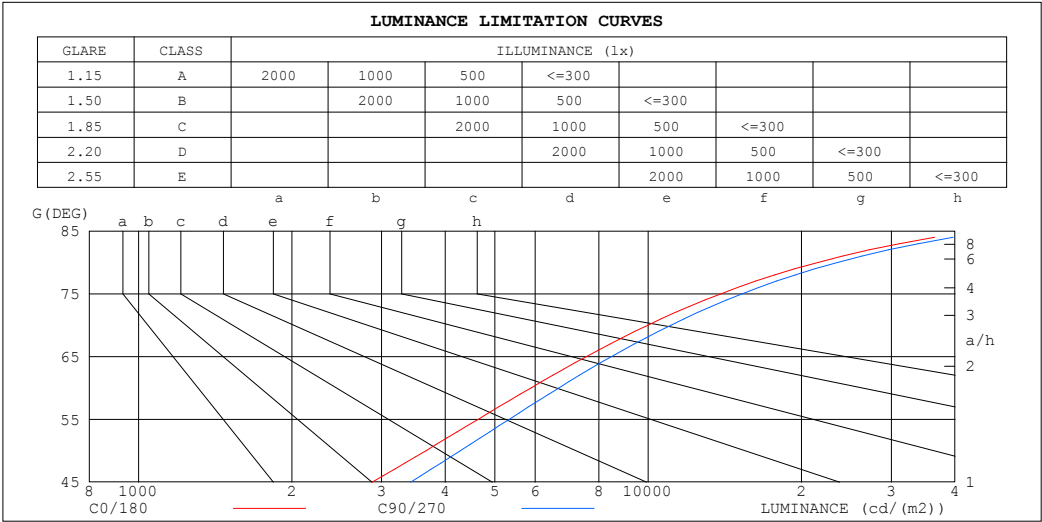
%lamp = 17.5%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-07-06

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:0.3776A P:45.02W PF:0.9930 Freq:60.01Hz<br>Lamp Flux:2769.63x1 lm |       |                  |
| NAME: IDRC16LAJUDSB 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                | 43964  | 47582   |
| 80                | 21512  | 23495   |
| 75                | 13879  | 15286   |
| 70                | 9982   | 11082   |
| 65                | 7570   | 8471    |
| 60                | 5888   | 6681    |
| 55                | 4642   | 5341    |
| 50                | 3665   | 4281    |
| 45                | 2874   | 3420    |

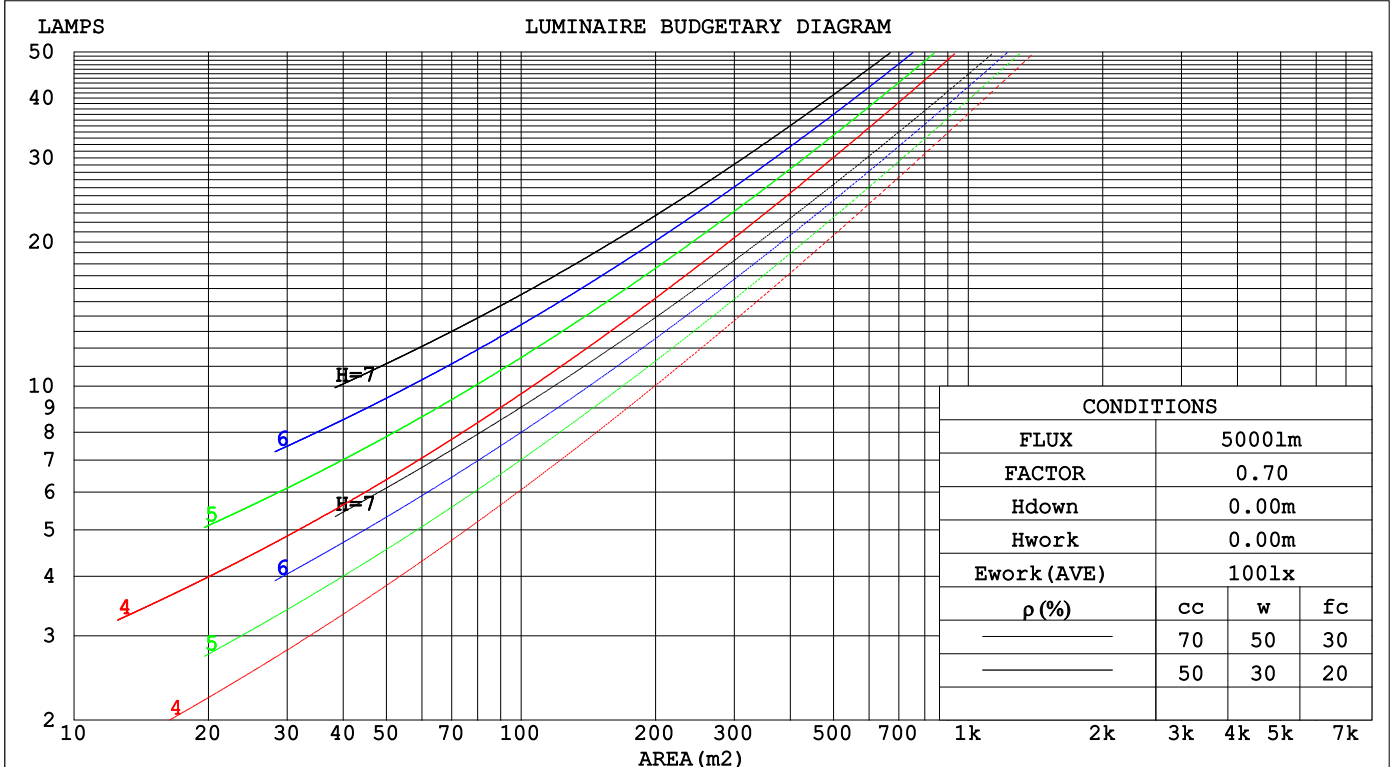
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-07-06

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:0.3776A P:45.02W PF:0.9930 Freq:60.01Hz<br>Lamp Flux:2769.63x1 lm |       |                  |
| NAME: IDRC16LAJUDSB 4000K                                                         | TYPE: | WEIGHT:          |
| SPEC.:                                                                            | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                             | SUR.: | Shielding Angle: |

|     |                       |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|-----|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| pcc | 30%                   |     |     | 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 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-07-06

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:0.3776A P:45.02W PF:0.9930 Freq:60.01Hz<br>Lamp Flux:2769.63x1 lm |       |                  |
| NAME: IDRC16LAJUDSB 4000K                                                         | TYPE: | WEIGHT:          |
| SPEC.:                                                                            | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                             | SUR.: | Shielding Angle: |

| pcc  | 30%                   |      |      | 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  | .352                  | .203 | .065 | .432 | .246 | .078 | .390                             | .224 | .071 | .352 | .203 | .065 | .316 | .183 | .059 |   |  |
| 2.0  | .277                  | .156 | .049 | .351 | .193 | .060 | .312                             | .174 | .054 | .277 | .156 | .049 | .245 | .138 | .044 |   |  |
| 3.0  | .233                  | .128 | .039 | .301 | .161 | .048 | .266                             | .144 | .044 | .233 | .128 | .039 | .203 | .113 | .035 |   |  |
| 4.0  | .203                  | .109 | .033 | .264 | .138 | .041 | .232                             | .123 | .037 | .203 | .109 | .033 | .175 | .095 | .029 |   |  |
| 5.0  | .180                  | .095 | .028 | .236 | .121 | .035 | .207                             | .108 | .032 | .180 | .095 | .028 | .154 | .082 | .025 |   |  |
| 6.0  | .161                  | .084 | .025 | .214 | .108 | .031 | .187                             | .096 | .028 | .161 | .084 | .025 | .138 | .072 | .022 |   |  |
| 7.0  | .147                  | .075 | .022 | .196 | .097 | .028 | .170                             | .086 | .025 | .147 | .075 | .022 | .125 | .065 | .019 |   |  |
| 8.0  | .135                  | .068 | .020 | .180 | .089 | .025 | .157                             | .078 | .022 | .135 | .068 | .020 | .114 | .059 | .017 |   |  |
| 9.0  | .125                  | .062 | .018 | .167 | .081 | .023 | .145                             | .072 | .020 | .125 | .062 | .018 | .105 | .053 | .015 |   |  |
| 10.0 | .116                  | .057 | .016 | .155 | .075 | .021 | .135                             | .066 | .019 | .116 | .057 | .016 | .098 | .049 | .014 |   |  |

| pcc  | 30%                   |      |      | 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  | .189                  | .189 | .189 | .483 | .483 | .483 | .329                                        | .329 | .329 | .189 | .189 | .189 | .060 | .060 | .060 |   |
| 1.0  | .191                  | .182 | .173 | .486 | .457 | .430 | .332                                        | .314 | .298 | .191 | .182 | .173 | .061 | .059 | .056 |   |
| 2.0  | .190                  | .177 | .165 | .482 | .440 | .405 | .330                                        | .304 | .282 | .190 | .177 | .165 | .061 | .057 | .054 |   |
| 3.0  | .189                  | .174 | .161 | .476 | .428 | .389 | .327                                        | .297 | .273 | .189 | .174 | .161 | .061 | .056 | .053 |   |
| 4.0  | .187                  | .171 | .158 | .470 | .419 | .380 | .324                                        | .292 | .267 | .187 | .171 | .158 | .060 | .056 | .052 |   |
| 5.0  | .185                  | .169 | .156 | .464 | .412 | .373 | .320                                        | .288 | .263 | .185 | .169 | .156 | .060 | .055 | .051 |   |
| 6.0  | .183                  | .167 | .155 | .458 | .406 | .368 | .316                                        | .284 | .261 | .183 | .167 | .155 | .059 | .055 | .051 |   |
| 7.0  | .182                  | .166 | .154 | .453 | .401 | .365 | .313                                        | .281 | .259 | .182 | .166 | .154 | .059 | .054 | .051 |   |
| 8.0  | .180                  | .164 | .153 | .447 | .397 | .362 | .309                                        | .279 | .257 | .180 | .164 | .153 | .058 | .054 | .051 |   |
| 9.0  | .178                  | .163 | .153 | .442 | .393 | .360 | .306                                        | .277 | .256 | .178 | .163 | .153 | .058 | .054 | .051 |   |
| 10.0 | .177                  | .162 | .152 | .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:2023-07-06

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:0.3776A P:45.02W PF:0.9930 Freq:60.01Hz<br>Lamp Flux:2769.63x1 lm |                  |      |      |      |       |                |      |                  |      |      |
| NAME: IDRC16LAJUDSB 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                                                                     | 15.3             | 16.4 | 16.2 | 17.3 | 18.5  | 15.7           | 16.8 | 16.6             | 17.7 | 18.9 |
| 3H                                                                                | 19.2             | 20.3 | 20.1 | 21.2 | 22.4  | 19.5           | 20.6 | 20.4             | 21.5 | 22.7 |
| 4H                                                                                | 21.4             | 22.4 | 22.2 | 23.3 | 24.5  | 21.7           | 22.7 | 22.6             | 23.6 | 24.8 |
| 6H                                                                                | 23.7             | 24.6 | 24.6 | 25.6 | 26.8  | 24.0           | 25.0 | 25.0             | 25.9 | 27.1 |
| 8H                                                                                | 24.9             | 25.9 | 25.9 | 26.8 | 28.0  | 25.3           | 26.2 | 26.3             | 27.2 | 28.4 |
| 12H                                                                               | 26.4             | 27.2 | 27.3 | 28.2 | 29.4  | 26.8           | 27.7 | 27.7             | 28.6 | 29.9 |
| 4H 2H                                                                             | 16.6             | 17.6 | 17.5 | 18.5 | 19.7  | 16.8           | 17.8 | 17.7             | 18.7 | 19.9 |
| 3H                                                                                | 20.5             | 21.4 | 21.4 | 22.3 | 23.6  | 20.6           | 21.5 | 21.6             | 22.5 | 23.7 |
| 4H                                                                                | 22.7             | 23.5 | 23.7 | 24.5 | 25.8  | 22.8           | 23.6 | 23.8             | 24.6 | 25.9 |
| 6H                                                                                | 25.2             | 25.9 | 26.1 | 26.9 | 28.2  | 25.3           | 26.0 | 26.3             | 27.0 | 28.3 |
| 8H                                                                                | 26.5             | 27.2 | 27.5 | 28.2 | 29.5  | 26.7           | 27.4 | 27.7             | 28.4 | 29.7 |
| 12H                                                                               | 28.0             | 28.6 | 29.0 | 29.6 | 31.0  | 28.3           | 28.9 | 29.2             | 29.9 | 31.2 |
| 8H 4H                                                                             | 23.5             | 24.2 | 24.5 | 25.2 | 26.5  | 23.6           | 24.3 | 24.6             | 25.3 | 26.6 |
| 6H                                                                                | 26.2             | 26.8 | 27.2 | 27.8 | 29.1  | 26.3           | 26.9 | 27.3             | 27.9 | 29.2 |
| 8H                                                                                | 27.8             | 28.3 | 28.8 | 29.3 | 30.6  | 27.8           | 28.3 | 28.8             | 29.4 | 30.7 |
| 12H                                                                               | 29.5             | 29.9 | 30.5 | 31.0 | 32.3  | 29.6           | 30.0 | 30.6             | 31.1 | 32.4 |
| 12H 4H                                                                            | 23.8             | 24.4 | 24.7 | 25.4 | 26.7  | 23.9           | 24.5 | 24.8             | 25.5 | 26.8 |
| 6H                                                                                | 26.6             | 27.1 | 27.6 | 28.1 | 29.5  | 26.6           | 27.2 | 27.6             | 28.2 | 29.5 |
| 8H                                                                                | 28.2             | 28.7 | 29.2 | 29.7 | 31.1  | 28.3           | 28.7 | 29.3             | 29.8 | 31.1 |
| Variations with the observer position at spacings(CIE Pub.117):                   |                  |      |      |      |       |                |      |                  |      |      |
| S = 1.0H                                                                          | + 0.1 / - 0.1    |      |      |      |       | + 0.1 / - 0.1  |      |                  |      |      |
| 1.5H                                                                              | + 0.2 / - 0.3    |      |      |      |       | + 0.2 / - 0.3  |      |                  |      |      |
| 2.0H                                                                              | + 0.3 / - 0.4    |      |      |      |       | + 0.3 / - 0.4  |      |                  |      |      |

CIE Pub.117, 2770 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 3.5$ )  
Area: 0.077931 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-07-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  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:0.3776A P:45.02W PF:0.9930 Freq:60.01Hz<br>Lamp Flux:2769.63x1 lm |       |                  |
| NAME: IDRC16LAJUDSB 4000K                                                         | TYPE: | WEIGHT:          |
| SPEC.:                                                                            | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                             | SUR.: | Shielding Angle: |

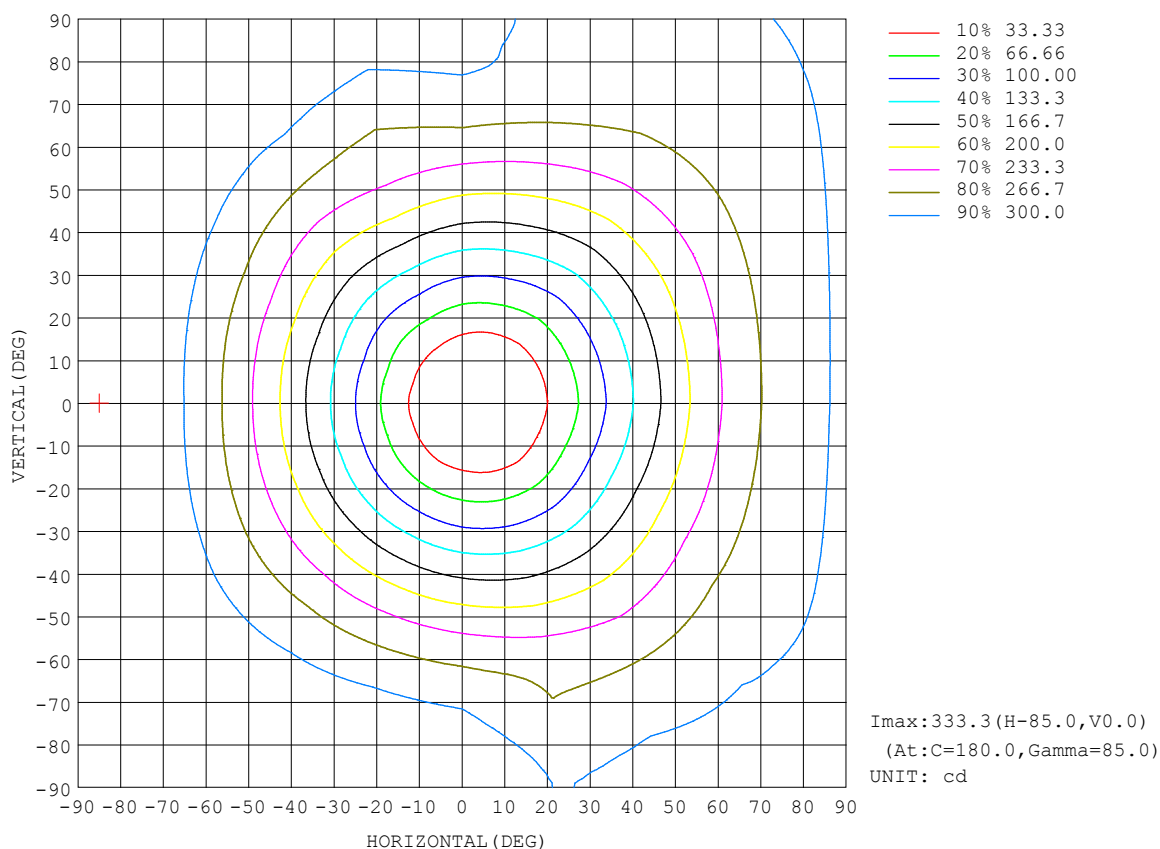
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 33                                                   | 19  | 12        | 31  | 19  | 11  | 28  | 17            | 10  | 3      |
| 0.80                             | 41                                                   | 26  | 17        | 38  | 25  | 17  | 34  | 22            | 15  | 5      |
| 1.00                             | 48                                                   | 33  | 23        | 45  | 31  | 22  | 39  | 29            | 20  | 8      |
| 1.25                             | 55                                                   | 40  | 29        | 51  | 37  | 28  | 44  | 32            | 24  | 11     |
| 1.50                             | 60                                                   | 45  | 35        | 56  | 42  | 33  | 48  | 37            | 29  | 13     |
| 2.00                             | 68                                                   | 54  | 44        | 63  | 51  | 41  | 54  | 43            | 36  | 18     |
| 2.50                             | 74                                                   | 61  | 50        | 68  | 56  | 47  | 58  | 48            | 41  | 21     |
| 3.00                             | 78                                                   | 66  | 56        | 72  | 61  | 52  | 61  | 52            | 45  | 23     |
| 4.00                             | 84                                                   | 73  | 64        | 77  | 68  | 60  | 65  | 58            | 51  | 27     |
| 5.00                             | 87                                                   | 78  | 70        | 81  | 72  | 65  | 68  | 61            | 56  | 30     |
| 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: 2023-07-06

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:0.3776A P:45.02W PF:0.9930 Freq:60.01Hz<br>Lamp Flux:2769.63x1 lm |       |                  |
| NAME: IDRC16LAJUDSB 4000K                                                         | TYPE: | WEIGHT:          |
| SPEC.:                                                                            | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                             | SUR.: | Shielding Angle: |

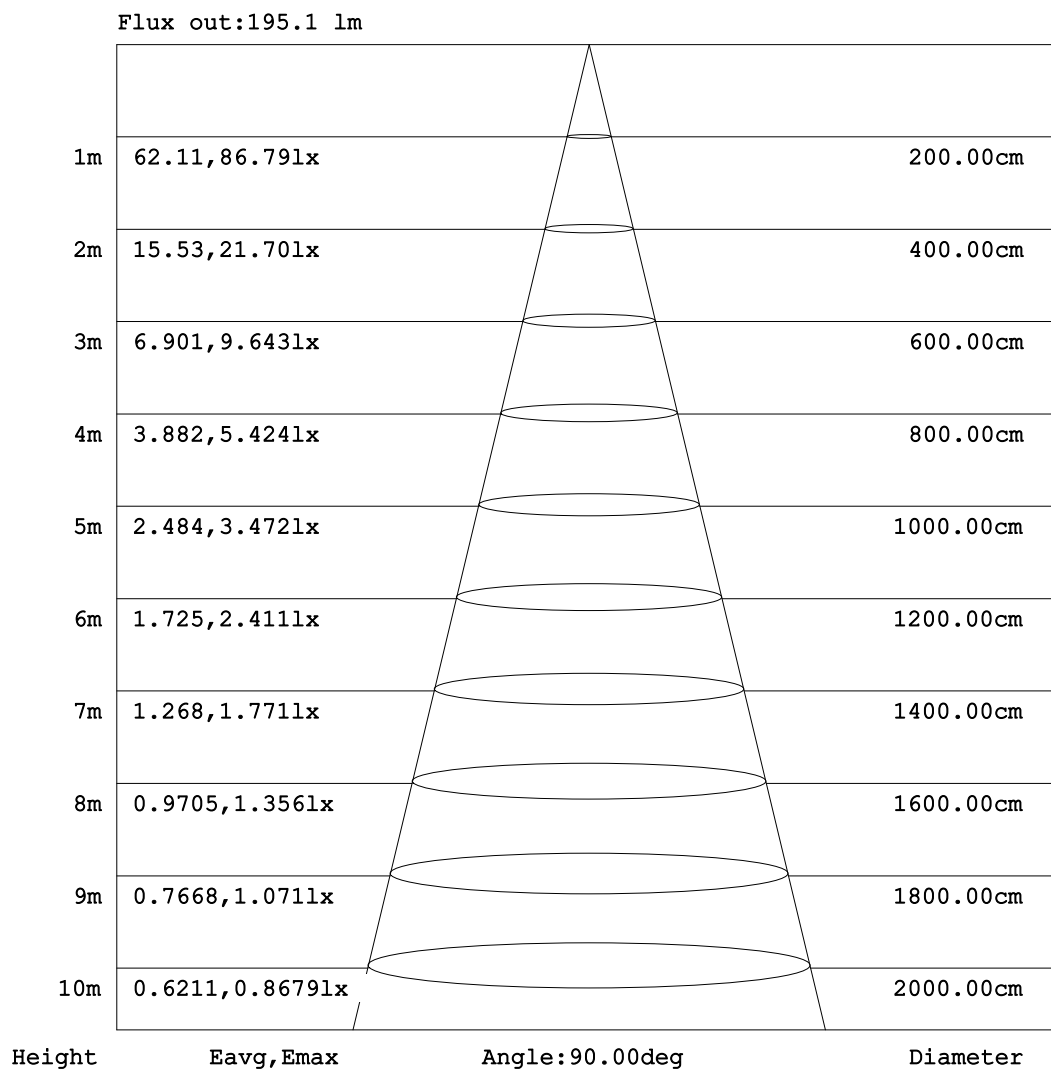


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-07-06

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:0.3776A P:45.02W PF:0.9930 Freq:60.01Hz<br>Lamp Flux:2769.63x1 lm |       |                  |
| NAME: IDRC16LAJUDSB 4000K                                                         | TYPE: | WEIGHT:          |
| SPEC.:                                                                            | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                             | SUR.: | Shielding Angle: |



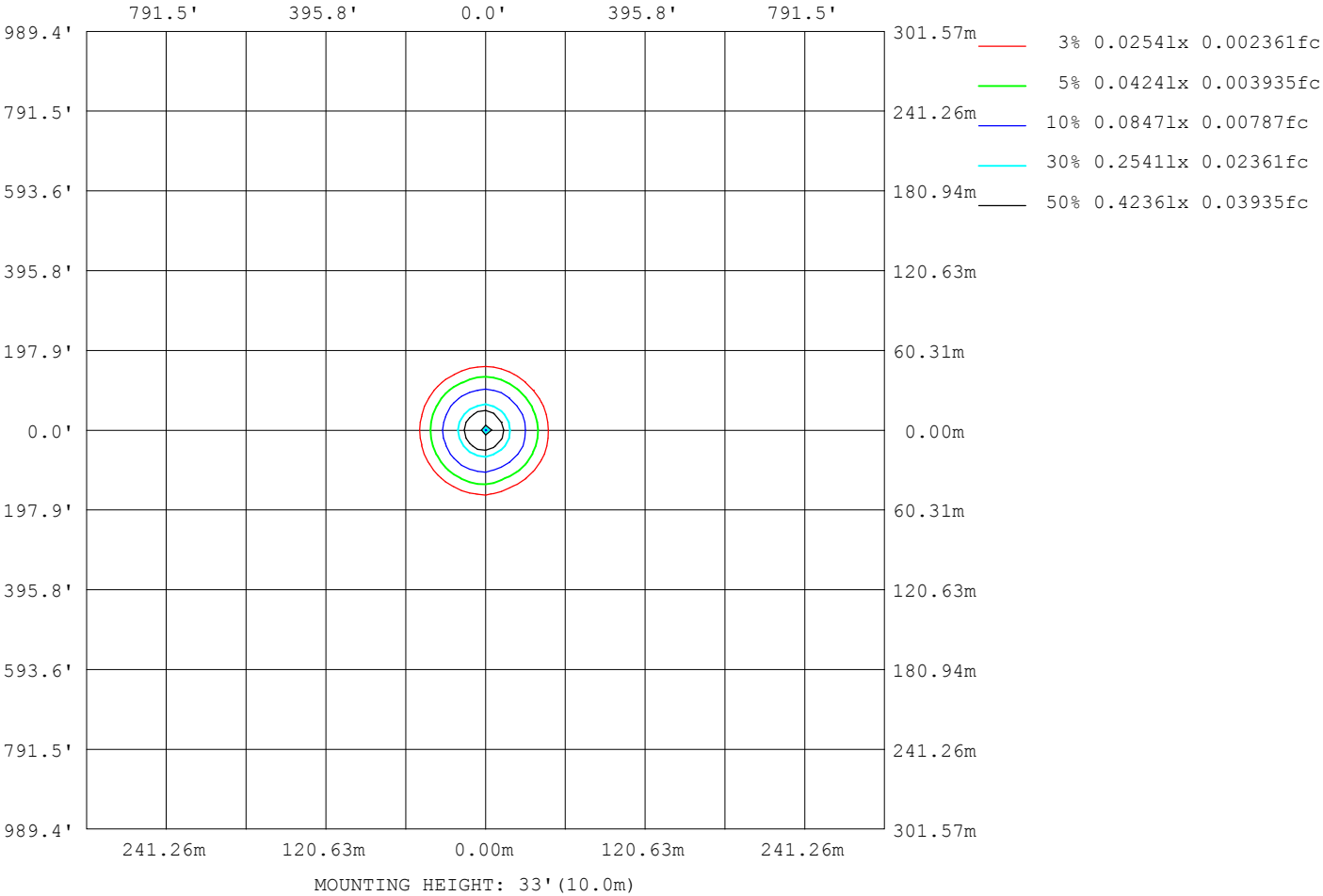
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-07-06

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

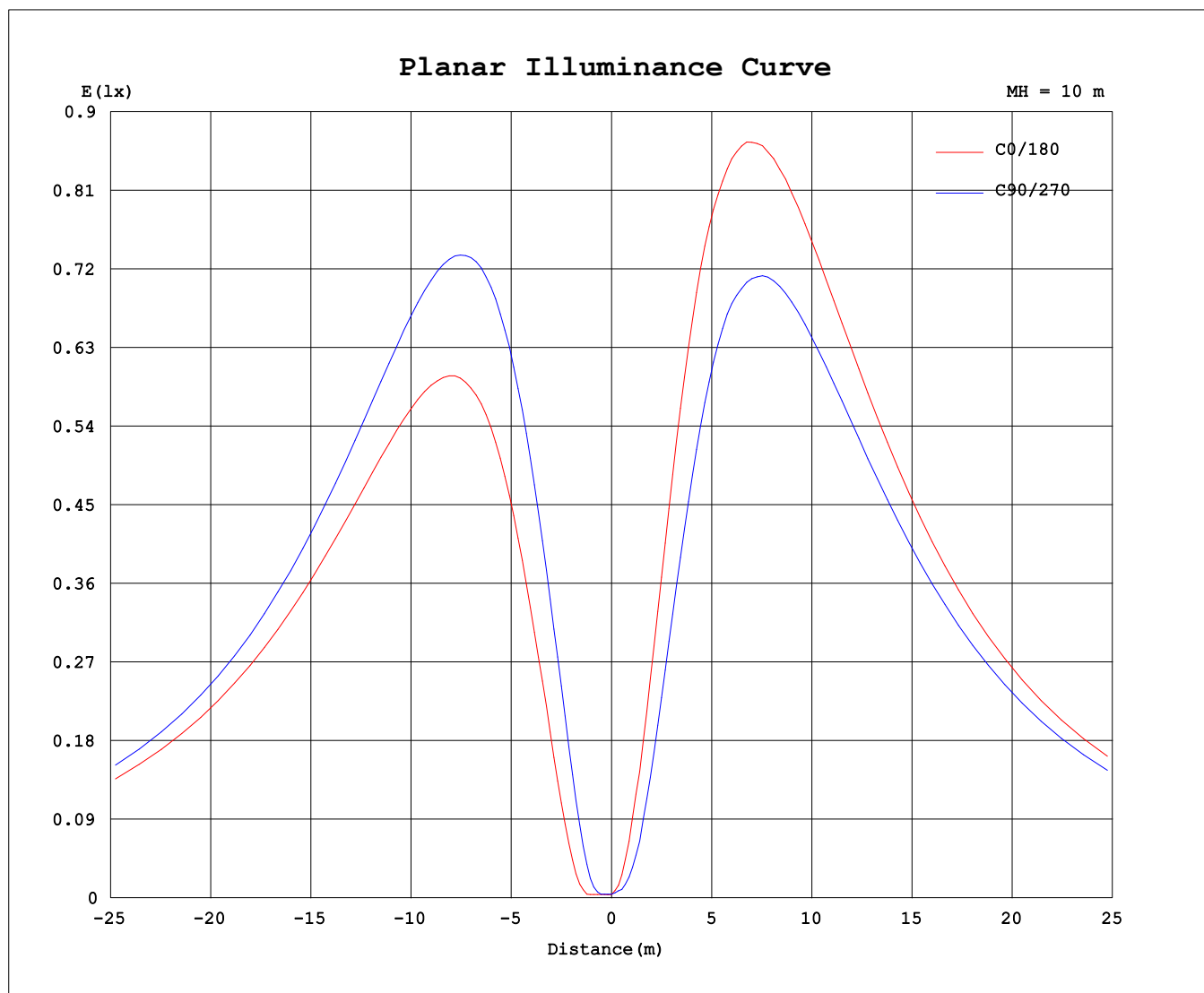
|                                                                                   |       |                  |
|-----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.1V I:0.3776A P:45.02W PF:0.9930 Freq:60.01Hz<br>Lamp Flux:2769.63x1 lm |       |                  |
| NAME: IDRC16LAJUDSB 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:2023-07-06

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: 2023-07-06

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:0.3776A P:45.02W PF:0.9930 Freq:60.01Hz<br>Lamp Flux:2769.63x1 lm |  |  |  |  |  |  |  |  |       |  |  |  |  |  |                  |  |  |
| NAME: IDRC16LAJUDSB 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                  | 0.45 | 0.45 | 0.45 | 0.45  | 0.45 | 0.45  | 0.45 | 0.45  | 0.45 | 0.45  | 0.45 | 0.45  | 0.45 | 0.45  | 0.45 | 0.45  |  |  |  |
| 5                  | 0.45 | 0.41 | 0.43 | 0.66  | 1.28 | 2.62  | 4.55 | 5.81  | 7.26 | 5.98  | 5.59 | 4.33  | 2.43 | 0.65  | 0.44 | 0.44  |  |  |  |
| 10                 | 3.19 | 2.11 | 4.15 | 8.14  | 11.6 | 14.8  | 20.5 | 23.0  | 24.7 | 21.6  | 20.4 | 16.5  | 11.9 | 6.02  | 3.80 | 3.61  |  |  |  |
| 15                 | 16.4 | 15.2 | 17.9 | 23.5  | 30.5 | 34.9  | 42.2 | 45.9  | 49.6 | 43.2  | 40.6 | 35.6  | 28.8 | 21.7  | 18.0 | 15.2  |  |  |  |
| 20                 | 36.5 | 34.6 | 38.0 | 44.3  | 53.0 | 59.5  | 68.0 | 72.5  | 79.0 | 67.9  | 64.7 | 59.5  | 50.7 | 43.0  | 37.4 | 34.7  |  |  |  |
| 25                 | 60.9 | 57.5 | 62.1 | 68.5  | 78.1 | 86.5  | 96.4 | 101   | 110  | 94.1  | 91.5 | 85.8  | 75.9 | 67.4  | 60.5 | 57.7  |  |  |  |
| 30                 | 88.3 | 82.3 | 88.4 | 94.3  | 105  | 115   | 126  | 130   | 141  | 120   | 119  | 112   | 103  | 93.4  | 86.2 | 82.9  |  |  |  |
| 35                 | 117  | 108  | 115  | 121   | 133  | 143   | 156  | 159   | 173  | 147   | 146  | 139   | 129  | 119   | 112  | 109   |  |  |  |
| 40                 | 146  | 133  | 142  | 147   | 161  | 171   | 185  | 186   | 204  | 173   | 173  | 166   | 155  | 145   | 139  | 134   |  |  |  |
| 45                 | 174  | 158  | 169  | 173   | 188  | 198   | 213  | 213   | 234  | 198   | 198  | 192   | 181  | 170   | 165  | 160   |  |  |  |
| 50                 | 202  | 182  | 193  | 197   | 214  | 223   | 239  | 238   | 262  | 221   | 222  | 216   | 205  | 194   | 190  | 185   |  |  |  |
| 55                 | 228  | 204  | 215  | 220   | 238  | 247   | 263  | 261   | 287  | 242   | 244  | 234   | 228  | 217   | 214  | 208   |  |  |  |
| 60                 | 252  | 225  | 235  | 241   | 259  | 267   | 284  | 280   | 310  | 261   | 264  | 248   | 249  | 237   | 236  | 229   |  |  |  |
| 65                 | 274  | 244  | 254  | 255   | 278  | 286   | 301  | 297   | 329  | 277   | 282  | 259   | 267  | 255   | 255  | 249   |  |  |  |
| 70                 | 293  | 259  | 270  | 260   | 294  | 301   | 315  | 312   | 345  | 290   | 297  | 273   | 283  | 271   | 271  | 265   |  |  |  |
| 75                 | 308  | 271  | 284  | 268   | 307  | 310   | 325  | 322   | 357  | 300   | 309  | 286   | 295  | 283   | 283  | 279   |  |  |  |
| 80                 | 320  | 282  | 295  | 280   | 317  | 308   | 333  | 329   | 364  | 306   | 316  | 295   | 304  | 285   | 292  | 290   |  |  |  |
| 85                 | 328  | 288  | 302  | 288   | 322  | 311   | 337  | 332   | 366  | 308   | 320  | 301   | 309  | 284   | 299  | 297   |  |  |  |
| 90                 | 333  | 291  | 305  | 292   | 323  | 313   | 336  | 330   | 364  | 307   | 319  | 303   | 309  | 287   | 303  | 300   |  |  |  |
| 95                 | 332  | 291  | 303  | 289   | 321  | 306   | 330  | 324   | 357  | 301   | 314  | 297   | 307  | 283   | 301  | 300   |  |  |  |
| 100                | 328  | 287  | 298  | 282   | 313  | 295   | 320  | 314   | 346  | 292   | 305  | 288   | 300  | 275   | 296  | 296   |  |  |  |
| 105                | 319  | 279  | 289  | 273   | 302  | 282   | 305  | 300   | 330  | 280   | 291  | 279   | 289  | 264   | 288  | 288   |  |  |  |
| 110                | 307  | 268  | 277  | 267   | 287  | 276   | 288  | 284   | 312  | 264   | 275  | 273   | 276  | 257   | 276  | 278   |  |  |  |
| 115                | 291  | 254  | 261  | 257   | 269  | 267   | 268  | 264   | 290  | 246   | 258  | 261   | 259  | 251   | 262  | 264   |  |  |  |
| 120                | 272  | 237  | 244  | 242   | 249  | 247   | 246  | 242   | 266  | 226   | 239  | 243   | 240  | 238   | 245  | 248   |  |  |  |
| 125                | 250  | 218  | 225  | 221   | 226  | 224   | 223  | 218   | 238  | 204   | 218  | 220   | 219  | 218   | 226  | 229   |  |  |  |
| 130                | 226  | 198  | 203  | 199   | 202  | 199   | 198  | 193   | 209  | 180   | 194  | 196   | 196  | 196   | 206  | 209   |  |  |  |
| 135                | 201  | 175  | 179  | 175   | 176  | 173   | 171  | 166   | 179  | 155   | 168  | 171   | 171  | 173   | 183  | 186   |  |  |  |
| 140                | 174  | 152  | 154  | 150   | 150  | 146   | 143  | 138   | 148  | 129   | 141  | 145   | 146  | 149   | 158  | 162   |  |  |  |
| 145                | 146  | 128  | 128  | 125   | 123  | 119   | 114  | 110   | 117  | 103   | 112  | 118   | 120  | 124   | 131  | 137   |  |  |  |
| 150                | 119  | 103  | 103  | 100.0 | 96.5 | 92.6  | 87.0 | 82.9  | 86.4 | 76.9  | 84.0 | 91.3  | 93.4 | 98.7  | 103  | 112   |  |  |  |
| 155                | 90.9 | 79.5 | 77.7 | 74.8  | 70.1 | 66.0  | 60.2 | 56.4  | 57.5 | 51.6  | 56.6 | 64.4  | 67.6 | 73.4  | 76.4 | 84.5  |  |  |  |
| 160                | 63.8 | 55.9 | 53.5 | 50.7  | 45.8 | 41.4  | 36.8 | 32.5  | 32.1 | 28.9  | 31.9 | 39.1  | 43.7 | 49.3  | 51.1 | 57.2  |  |  |  |
| 165                | 39.2 | 34.2 | 32.3 | 29.0  | 25.4 | 20.1  | 17.1 | 13.2  | 12.6 | 11.1  | 12.4 | 18.0  | 24.0 | 27.9  | 29.7 | 33.6  |  |  |  |
| 170                | 18.8 | 15.6 | 14.8 | 12.1  | 9.08 | 5.09  | 3.04 | 2.15  | 1.67 | 1.48  | 1.57 | 4.50  | 8.85 | 10.9  | 12.8 | 14.9  |  |  |  |
| 175                | 4.67 | 3.61 | 3.04 | 2.28  | 1.06 | 0.32  | 0.32 | 0.31  | 0.32 | 0.28  | 0.65 | 0.48  | 1.36 | 2.39  | 2.67 | 2.86  |  |  |  |
| 180                | 0.73 | 0.00 | 0.01 | 0.14  | 0.76 | 0.45  | 0.33 | 0.30  | 0.83 | 0.70  | 0.31 | 0.31  | 0.32 | 0.64  | 0.46 | 0.32  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
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Humidity:55.3%  
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Remarks: