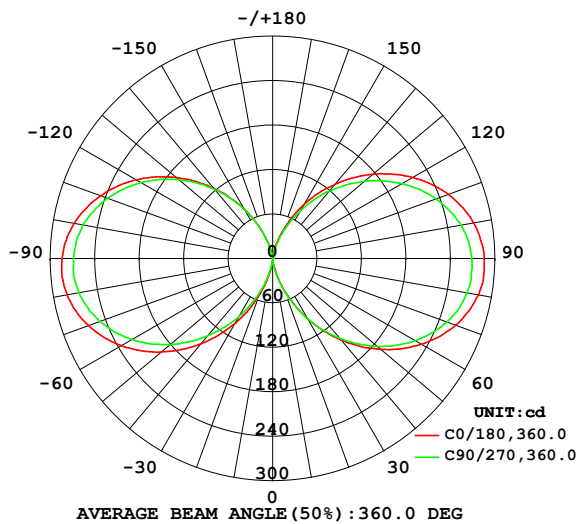


## LUMINAIRE PHOTOMETRIC TEST REPORT

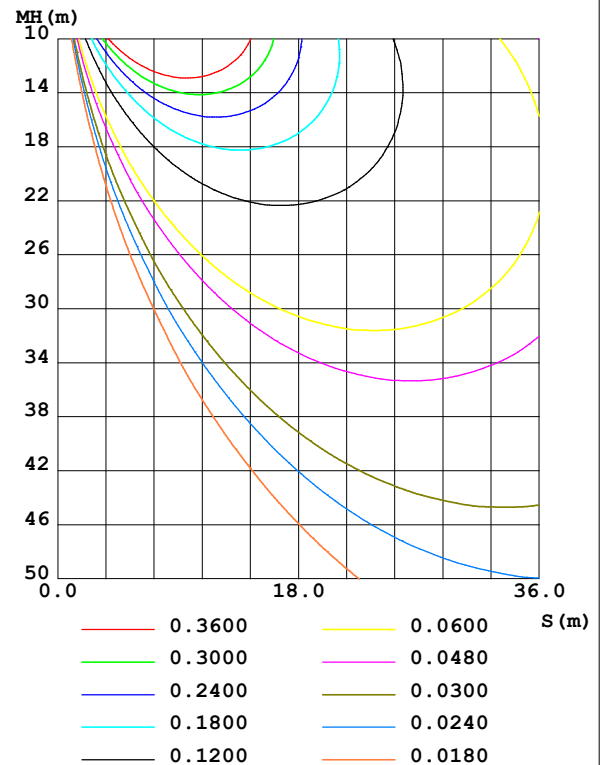
|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.0V I:0.3793A P:45.20W PF:0.9932 Freq:60.01Hz<br>Lamp Flux:2314.9x1 lm |       |                  |
| NAME: IDRC16LAJUDSN 4000K                                                        | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                            | SUR.: | Shielding Angle: |

| DATA OF LAMP     |        | PHOTOMETRIC DATA      |         |                    |           | Eff: 51.21 lm/W |
|------------------|--------|-----------------------|---------|--------------------|-----------|-----------------|
| MODEL            |        | I <sub>max</sub> (cd) | 285.9   | S/MH (C0/180)      | 21.29     |                 |
| NOMINAL POWER(W) |        | LOR (%)               | 100.0   | S/MH (C90/270)     | 20.74     |                 |
| RATED VOLTAGE(V) | 120    | TOTAL FLUX(lm)        | 2314.9  | η UP,DN (C0-180)   | 24.1,26.0 |                 |
| NOMINAL FLUX(lm) | 2314.9 | CIE CLASS             | DIFFUSE | η UP,DN (C180-360) | 24.1,25.7 |                 |
| LAMPS INSIDE     | 1      | η up (%)              | 48.3    | CIBSE SHR NOM      | 1.50      |                 |
| TEST VOLTAGE(V)  | 120    | η down (%)            | 51.7    | 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: 2023-07-04

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  | 9.452                 | 10.36  | 10.67  | 12.34  | 12.69  | 10.94  | 9.296  | 7.340  | 0- 10   | 0.4075  | 0.4075  | 0.02,0.02 |
| 20  | 45.11                 | 45.77  | 46.97  | 48.12  | 51.53  | 45.88  | 43.92  | 41.23  | 10- 20  | 8.149   | 8.557   | 0.37,0.37 |
| 30  | 93.35                 | 91.05  | 93.43  | 93.11  | 100.7  | 91.22  | 90.01  | 86.35  | 20- 30  | 32.30   | 40.85   | 1.76,1.76 |
| 40  | 143.6                 | 137.9  | 140.7  | 138.9  | 150.3  | 137.2  | 136.2  | 132.8  | 30- 40  | 72.66   | 113.5   | 4.9,4.9   |
| 50  | 191.1                 | 179.4  | 184.7  | 182.0  | 196.5  | 177.9  | 180.6  | 176.4  | 40- 50  | 124.1   | 237.6   | 10.3,10.3 |
| 60  | 231.6                 | 213.1  | 222.1  | 218.3  | 235.6  | 212.0  | 218.9  | 214.1  | 50- 60  | 179.3   | 416.9   | 18,18     |
| 70  | 262.9                 | 242.2  | 250.6  | 242.9  | 264.8  | 239.8  | 248.2  | 240.6  | 60- 70  | 229.3   | 646.3   | 27.9,27.9 |
| 80  | 282.3                 | 259.4  | 266.2  | 257.4  | 281.8  | 256.4  | 265.5  | 256.5  | 70- 80  | 266.2   | 912.5   | 39.4,39.4 |
| 90  | 285.6                 | 263.2  | 268.6  | 259.4  | 284.4  | 259.9  | 268.5  | 260.8  | 80- 90  | 284.6   | 1197    | 51.7,51.7 |
| 100 | 275.6                 | 252.6  | 258.2  | 248.3  | 272.3  | 248.5  | 260.0  | 251.0  | 90-100  | 280.8   | 1478    | 63.8,63.8 |
| 110 | 252.5                 | 230.3  | 235.0  | 225.0  | 247.2  | 225.3  | 237.3  | 229.3  | 100-110 | 254.9   | 1733    | 74.9,74.9 |
| 120 | 219.1                 | 200.0  | 201.9  | 192.8  | 212.5  | 195.7  | 205.0  | 198.0  | 110-120 | 214.8   | 1948    | 84.1,84.1 |
| 130 | 177.2                 | 163.1  | 161.9  | 155.8  | 170.3  | 159.3  | 165.3  | 161.4  | 120-130 | 163.8   | 2111    | 91.2,91.2 |
| 140 | 130.6                 | 120.1  | 118.3  | 113.9  | 123.7  | 116.3  | 121.7  | 120.3  | 130-140 | 110.1   | 2221    | 96,96     |
| 150 | 83.53                 | 76.22  | 74.05  | 69.84  | 76.86  | 71.96  | 76.51  | 77.47  | 140-150 | 61.99   | 2283    | 98.6,98.6 |
| 160 | 38.38                 | 34.57  | 32.65  | 29.95  | 34.16  | 32.65  | 34.08  | 38.73  | 150-160 | 25.73   | 2309    | 99.8,99.8 |
| 170 | 6.461                 | 5.878  | 5.154  | 3.520  | 4.358  | 3.735  | 5.078  | 6.781  | 160-170 | 5.593   | 2315    | 100,100   |
| 180 | 0.3838                | 0.3976 | 0.4659 | 0.3089 | 0.3635 | 0.2589 | 0.2628 | 0.2582 | 170-180 | 0.1663  | 2315    | 100,100   |
| DEG | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |         | UNIT:lm |         |           |

Conical surface Flux(90deg): 168.71 lm

%lum = 7.3%

%lamp = 7.3%

Conical surface Flux(120deg): 416.94 lm

%lum = 18.0%

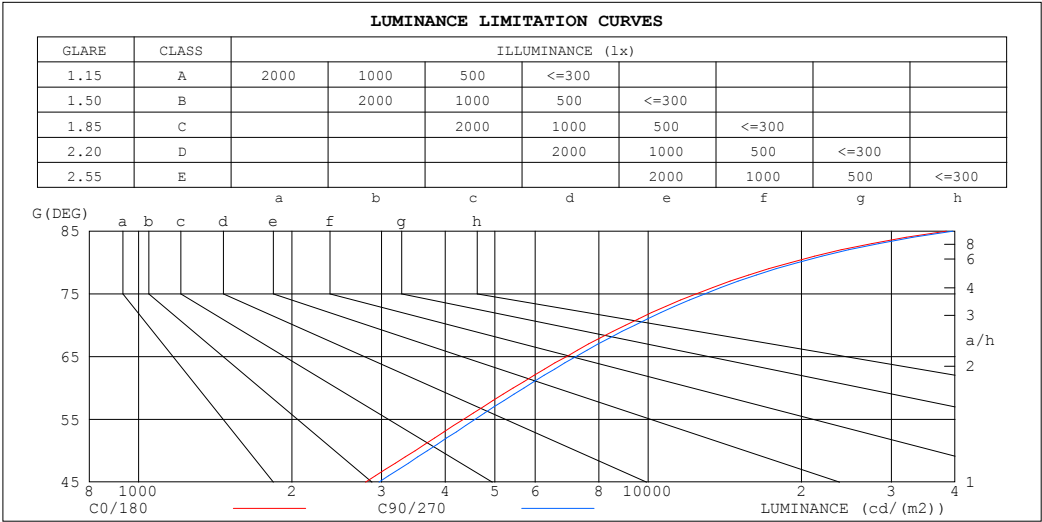
%lamp = 18.0%

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-07-04

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:120.0V I:0.3793A P:45.20W PF:0.9932 Freq:60.01Hz<br>Lamp Flux:2314.9x1 lm |       |                  |
| NAME: IDRC16LAJUDSN 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                | 38477  | 39645   |
| 80                | 19073  | 19679   |
| 75                | 12426  | 12927   |
| 70                | 9019   | 9405    |
| 65                | 6916   | 7212    |
| 60                | 5436   | 5702    |
| 55                | 4344   | 4576    |
| 50                | 3488   | 3689    |
| 45                | 2788   | 2963    |

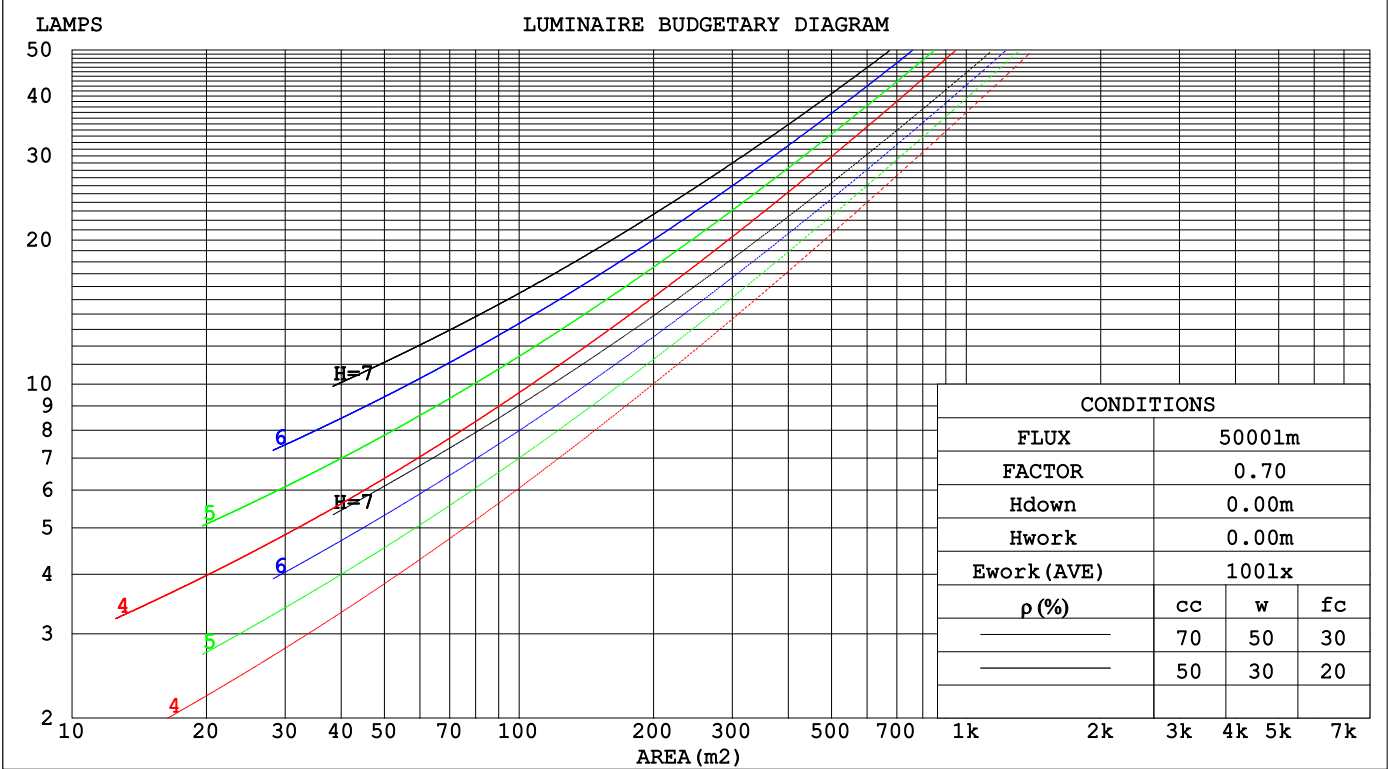
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-07-04

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:120.0V I:0.3793A P:45.20W PF:0.9932 Freq:60.01Hz<br>Lamp Flux:2314.9x1 lm |       |                  |
| NAME: IDRC16LAJUDSN 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 |     |     | Coefficients of Utilization(CU) |     |     |     |     |     |     |     |     |     |     |     |     |
| 0.0  | .70                   | .70 | .70 | .99                             | .99 | .99 | .84 | .84 | .84 | .70 | .70 | .70 | .58 | .58 | .58 | .52 |
| 1.0  | .52                   | .49 | .46 | .78                             | .72 | .67 | .64 | .60 | .56 | .52 | .49 | .46 | .41 | .38 | .36 | .30 |
| 2.0  | .42                   | .37 | .33 | .64                             | .56 | .50 | .53 | .47 | .41 | .42 | .37 | .33 | .32 | .29 | .26 | .20 |
| 3.0  | .35                   | .30 | .25 | .54                             | .46 | .39 | .44 | .38 | .32 | .35 | .30 | .25 | .27 | .23 | .19 | .14 |
| 4.0  | .30                   | .25 | .20 | .47                             | .38 | .31 | .38 | .31 | .25 | .30 | .25 | .20 | .23 | .18 | .15 | .11 |
| 5.0  | .26                   | .21 | .16 | .41                             | .32 | .25 | .33 | .26 | .21 | .26 | .21 | .16 | .20 | .15 | .12 | .08 |
| 6.0  | .23                   | .18 | .13 | .36                             | .28 | .21 | .30 | .23 | .17 | .23 | .18 | .13 | .17 | .13 | .10 | .06 |
| 7.0  | .21                   | .15 | .11 | .32                             | .24 | .18 | .26 | .20 | .15 | .21 | .15 | .11 | .16 | .11 | .08 | .05 |
| 8.0  | .19                   | .13 | .10 | .29                             | .21 | .15 | .24 | .17 | .12 | .19 | .13 | .10 | .14 | .10 | .07 | .04 |
| 9.0  | .17                   | .12 | .08 | .26                             | .19 | .13 | .22 | .15 | .11 | .17 | .12 | .08 | .13 | .09 | .06 | .03 |
| 10.0 | .16                   | .11 | .07 | .24                             | .17 | .12 | .20 | .14 | .09 | .16 | .11 | .07 | .12 | .08 | .05 | .03 |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-07-04

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:120.0V I:0.3793A P:45.20W PF:0.9932 Freq:60.01Hz<br>Lamp Flux:2314.9x1 lm |       |                  |
| NAME: IDRC16LAJUDSN 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  | .354 .204 .066                                        | .433 .247 .079 | .392 .225 .072 | .354 .204 .066 | .319 .185 .060 |   |
| 2.0  | .279 .157 .049                                        | .352 .194 .060 | .314 .175 .054 | .279 .157 .049 | .247 .140 .044 |   |
| 3.0  | .235 .129 .040                                        | .302 .162 .049 | .267 .145 .044 | .235 .129 .040 | .206 .114 .035 |   |
| 4.0  | .204 .110 .033                                        | .266 .139 .041 | .234 .124 .037 | .204 .110 .033 | .177 .096 .029 |   |
| 5.0  | .181 .096 .028                                        | .237 .122 .035 | .208 .108 .032 | .181 .096 .028 | .156 .083 .025 |   |
| 6.0  | .163 .085 .025                                        | .215 .109 .031 | .188 .096 .028 | .163 .085 .025 | .139 .073 .022 |   |
| 7.0  | .148 .076 .022                                        | .196 .098 .028 | .171 .087 .025 | .148 .076 .022 | .126 .066 .019 |   |
| 8.0  | .136 .069 .020                                        | .181 .089 .025 | .158 .079 .022 | .136 .069 .020 | .116 .059 .017 |   |
| 9.0  | .126 .063 .018                                        | .167 .082 .023 | .146 .072 .020 | .126 .063 .018 | .107 .054 .016 |   |
| 10.0 | .117 .058 .016                                        | .156 .075 .021 | .136 .067 .019 | .117 .058 .016 | .099 .050 .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  | .187 .187 .187                                                   | .477 .477 .477 | .326 .326 .326 | .187 .187 .187 | .060 .060 .060 |   |
| 1.0  | .189 .180 .171                                                   | .480 .451 .425 | .329 .310 .294 | .189 .180 .171 | .061 .058 .055 |   |
| 2.0  | .188 .175 .163                                                   | .477 .435 .399 | .327 .301 .278 | .188 .175 .163 | .060 .057 .053 |   |
| 3.0  | .187 .172 .159                                                   | .471 .423 .384 | .323 .294 .269 | .187 .172 .159 | .060 .056 .052 |   |
| 4.0  | .185 .169 .156                                                   | .465 .414 .374 | .320 .288 .263 | .185 .169 .156 | .060 .055 .051 |   |
| 5.0  | .183 .167 .154                                                   | .459 .407 .367 | .316 .284 .259 | .183 .167 .154 | .059 .054 .051 |   |
| 6.0  | .181 .165 .153                                                   | .453 .401 .363 | .312 .280 .257 | .181 .165 .153 | .059 .054 .050 |   |
| 7.0  | .180 .163 .152                                                   | .447 .396 .359 | .309 .277 .255 | .180 .163 .152 | .058 .054 .050 |   |
| 8.0  | .178 .162 .151                                                   | .442 .392 .357 | .306 .275 .253 | .178 .162 .151 | .058 .053 .050 |   |
| 9.0  | .176 .161 .150                                                   | .437 .388 .355 | .302 .273 .252 | .176 .161 .150 | .057 .053 .050 |   |
| 10.0 | .175 .160 .150                                                   | .432 .385 .353 | .300 .271 .251 | .175 .160 .150 | .057 .053 .050 |   |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-07-04

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:120.0V I:0.3793A P:45.20W PF:0.9932 Freq:60.01Hz<br>Lamp Flux:2314.9x1 lm |                  |      |      |      |       |                |      |                  |      |      |
| NAME: IDRC16LAJUDSN 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                                                                    | 14.9             | 17.1 | 16.6 | 18.9 | 21.3  | 15.0           | 17.3 | 16.8             | 19.1 | 21.5 |
| 3H                                                                               | 18.7             | 20.8 | 20.5 | 22.7 | 25.1  | 18.9           | 21.0 | 20.7             | 22.9 | 25.3 |
| 4H                                                                               | 20.7             | 22.7 | 22.5 | 24.6 | 27.0  | 20.9           | 22.9 | 22.7             | 24.8 | 27.2 |
| 6H                                                                               | 22.9             | 24.7 | 24.7 | 26.6 | 29.1  | 23.1           | 24.9 | 24.9             | 26.8 | 29.3 |
| 8H                                                                               | 24.1             | 25.8 | 25.9 | 27.8 | 30.3  | 24.2           | 26.0 | 26.1             | 27.9 | 30.4 |
| 12H                                                                              | 25.4             | 27.1 | 27.2 | 29.0 | 31.6  | 25.5           | 27.3 | 27.4             | 29.2 | 31.7 |
| 4H 2H                                                                            | 15.6             | 17.6 | 17.4 | 19.5 | 21.9  | 15.7           | 17.7 | 17.6             | 19.6 | 22.1 |
| 3H                                                                               | 19.6             | 21.3 | 21.4 | 23.2 | 25.7  | 19.7           | 21.4 | 21.6             | 23.4 | 25.9 |
| 4H                                                                               | 21.7             | 23.3 | 23.6 | 25.3 | 27.8  | 21.8           | 23.4 | 23.7             | 25.4 | 27.9 |
| 6H                                                                               | 24.0             | 25.4 | 25.9 | 27.4 | 30.0  | 24.1           | 25.5 | 26.0             | 27.5 | 30.1 |
| 8H                                                                               | 25.3             | 26.6 | 27.2 | 28.6 | 31.2  | 25.3           | 26.7 | 27.3             | 28.7 | 31.3 |
| 12H                                                                              | 26.7             | 27.9 | 28.6 | 29.9 | 32.6  | 26.8           | 28.0 | 28.7             | 30.0 | 32.6 |
| 8H 4H                                                                            | 22.3             | 23.7 | 24.2 | 25.7 | 28.3  | 22.4           | 23.8 | 24.3             | 25.8 | 28.3 |
| 6H                                                                               | 24.9             | 26.1 | 26.8 | 28.1 | 30.7  | 24.9           | 26.1 | 26.9             | 28.1 | 30.7 |
| 8H                                                                               | 26.3             | 27.4 | 28.3 | 29.4 | 32.1  | 26.3           | 27.4 | 28.3             | 29.4 | 32.1 |
| 12H                                                                              | 27.9             | 28.9 | 29.9 | 30.9 | 33.6  | 27.9           | 28.9 | 29.9             | 30.9 | 33.6 |
| 12H 4H                                                                           | 22.5             | 23.8 | 24.4 | 25.8 | 28.4  | 22.6           | 23.8 | 24.5             | 25.8 | 28.5 |
| 6H                                                                               | 25.2             | 26.2 | 27.1 | 28.3 | 30.9  | 25.2           | 26.2 | 27.2             | 28.3 | 30.9 |
| 8H                                                                               | 26.7             | 27.7 | 28.7 | 29.7 | 32.4  | 26.7           | 27.6 | 28.7             | 29.7 | 32.4 |
| CIE190: 2010                                                                     |                  |      |      |      |       |                |      |                  |      |      |
|                                                                                  |                  |      |      |      |       |                |      |                  |      |      |

CIE190: 2010  
Area: 0.077931 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-07-04

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:120.0V I:0.3793A P:45.20W PF:0.9932 Freq:60.01Hz<br>Lamp Flux:2314.9x1 lm |       |                  |
| NAME: IDRC16LAJUDSN 4000K                                                        | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                            | SUR.: | Shielding Angle: |

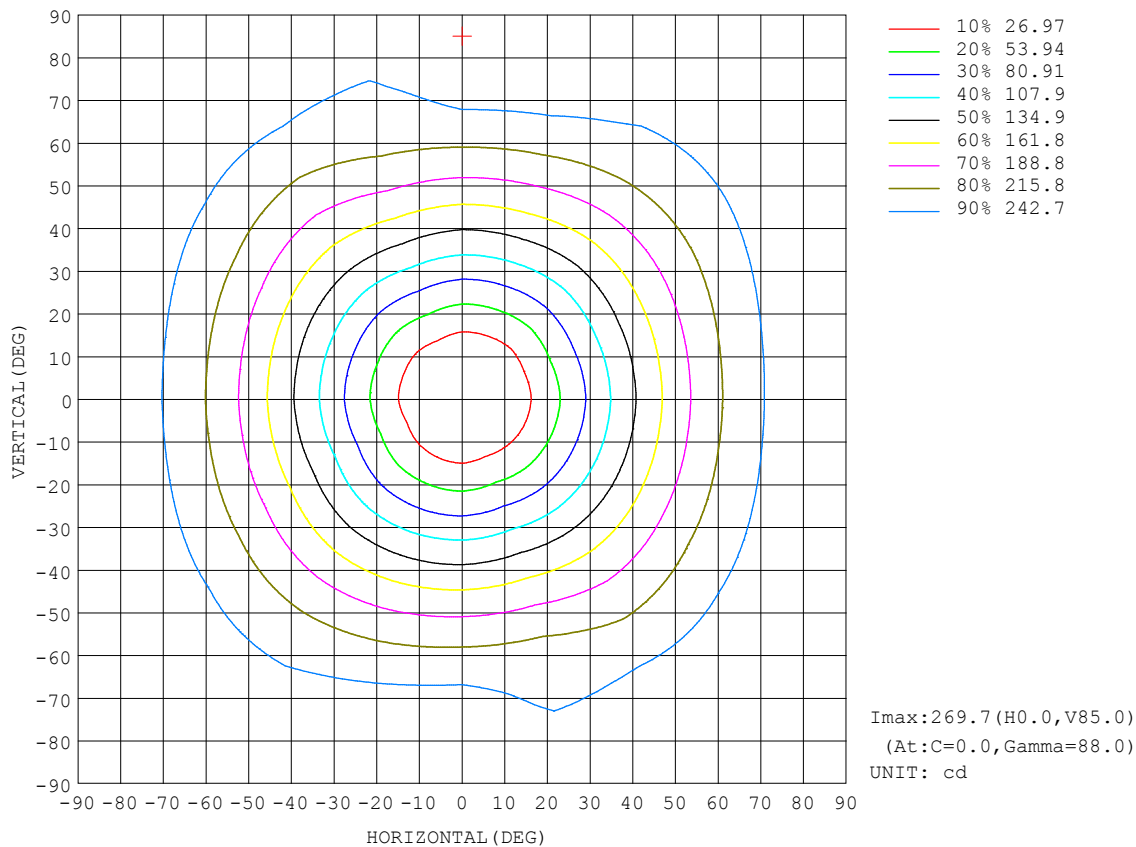
| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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                                                   | 20  | 12        | 31  | 19  | 11  | 28  | 17            | 10  | 3      |
| 0.80                             | 41                                                   | 26  | 18        | 39  | 25  | 17  | 34  | 22            | 15  | 6      |
| 1.00                             | 48                                                   | 33  | 23        | 45  | 31  | 22  | 39  | 30            | 20  | 8      |
| 1.25                             | 55                                                   | 40  | 30        | 51  | 37  | 28  | 44  | 33            | 25  | 11     |
| 1.50                             | 61                                                   | 46  | 35        | 56  | 43  | 33  | 48  | 37            | 29  | 14     |
| 2.00                             | 69                                                   | 55  | 44        | 63  | 51  | 41  | 54  | 44            | 36  | 18     |
| 2.50                             | 74                                                   | 61  | 51        | 68  | 57  | 47  | 58  | 49            | 41  | 21     |
| 3.00                             | 78                                                   | 66  | 56        | 72  | 61  | 53  | 61  | 52            | 45  | 24     |
| 4.00                             | 84                                                   | 73  | 65        | 77  | 68  | 60  | 65  | 58            | 52  | 28     |
| 5.00                             | 88                                                   | 78  | 70        | 81  | 73  | 65  | 68  | 62            | 56  | 31     |
| ROOM INDEX                       | UF(total)                                            |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.2℃  
 Operators: Dano  
 Test Date: 2023-07-04

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

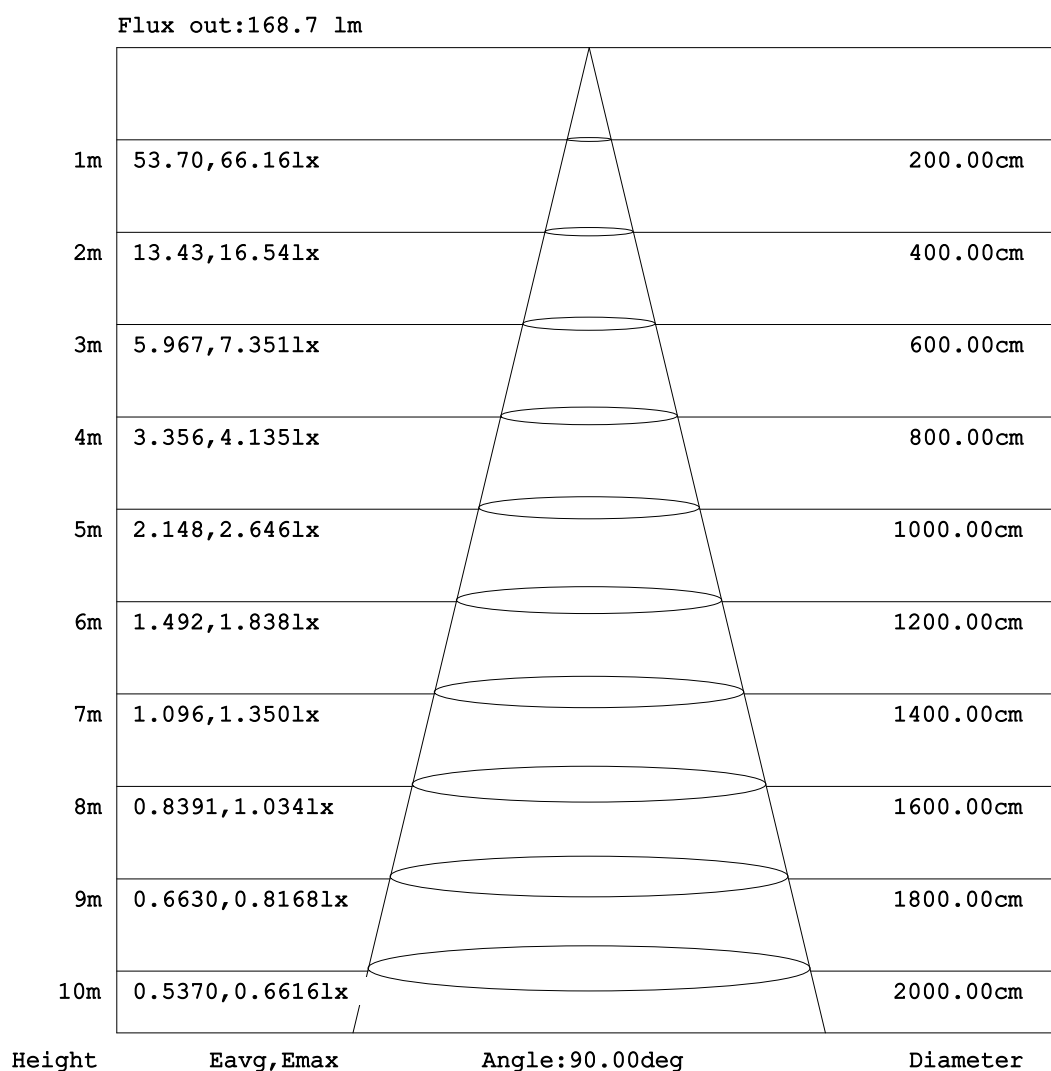
|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.0V I:0.3793A P:45.20W PF:0.9932 Freq:60.01Hz<br>Lamp Flux:2314.9x1 lm |       |                  |
| NAME: IDRC16LAJUDSN 4000K                                                        | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                            | SUR.: | Shielding Angle: |



|                      |                                                   |
|----------------------|---------------------------------------------------|
| C Range: 0 - 360DEG  | γ Range: 0 - 180DEG                               |
| C Interval: 22.5DEG  | γ Interval: 1.0DEG                                |
| Test Speed: HIGH     | Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459 |
| Temperature:25.2℃    | Humidity:55.3%                                    |
| Operators:Dano       | Test Distance:2.900m [K=0.8810]                   |
| Test Date:2023-07-04 | Remarks:                                          |

## AAI Figure

|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.0V I:0.3793A P:45.20W PF:0.9932 Freq:60.01Hz<br>Lamp Flux:2314.9x1 lm |       |                  |
| NAME: IDRC16LAJUDSN 4000K                                                        | TYPE: | WEIGHT:          |
| SPEC.:                                                                           | DIM.: | SERIAL No.:      |
| MFR.: FOSHAN LEDKEY LIGHTING CO.,LTD.                                            | SUR.: | Shielding Angle: |



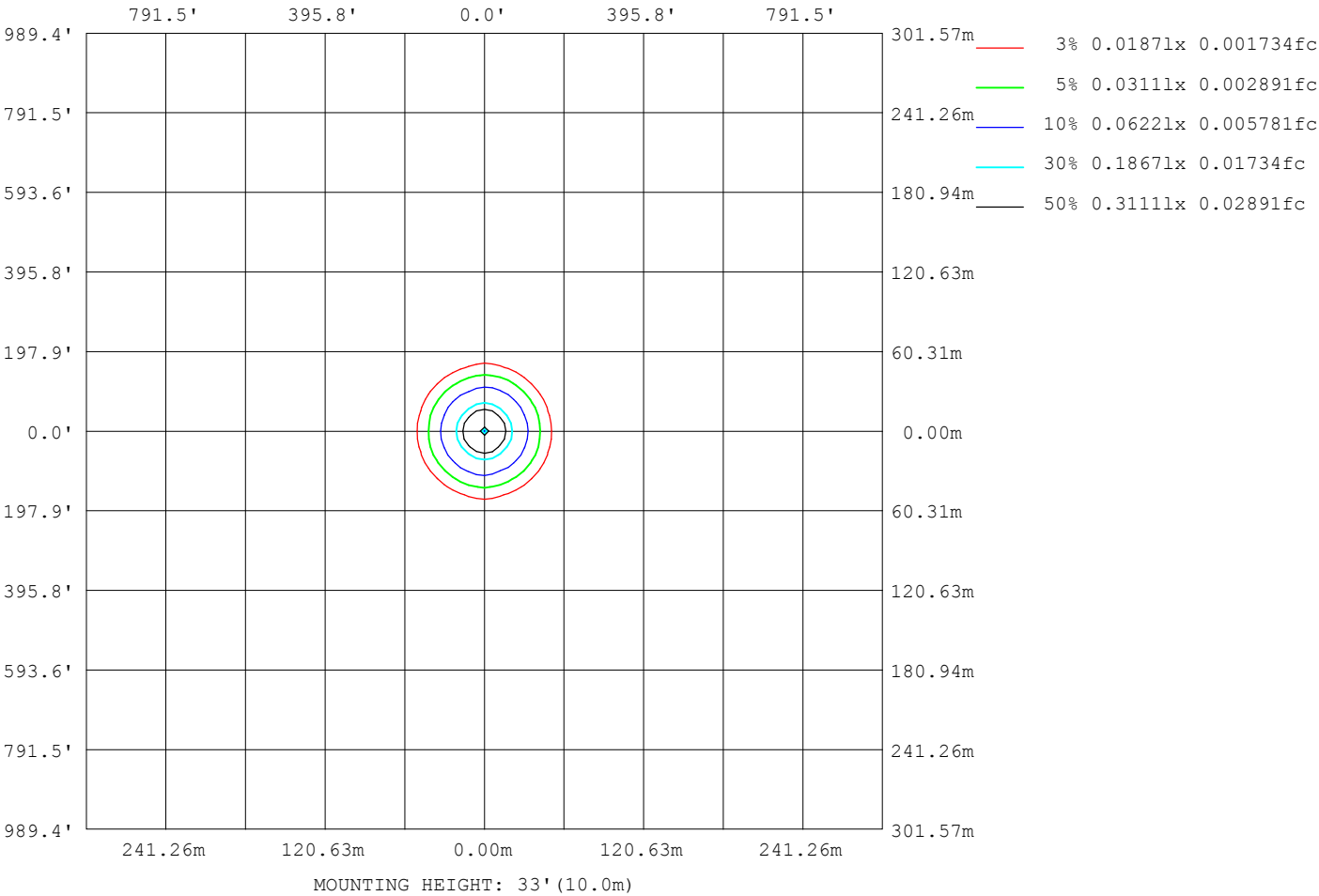
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.2℃  
Operators:Dano  
Test Date:2023-07-04

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

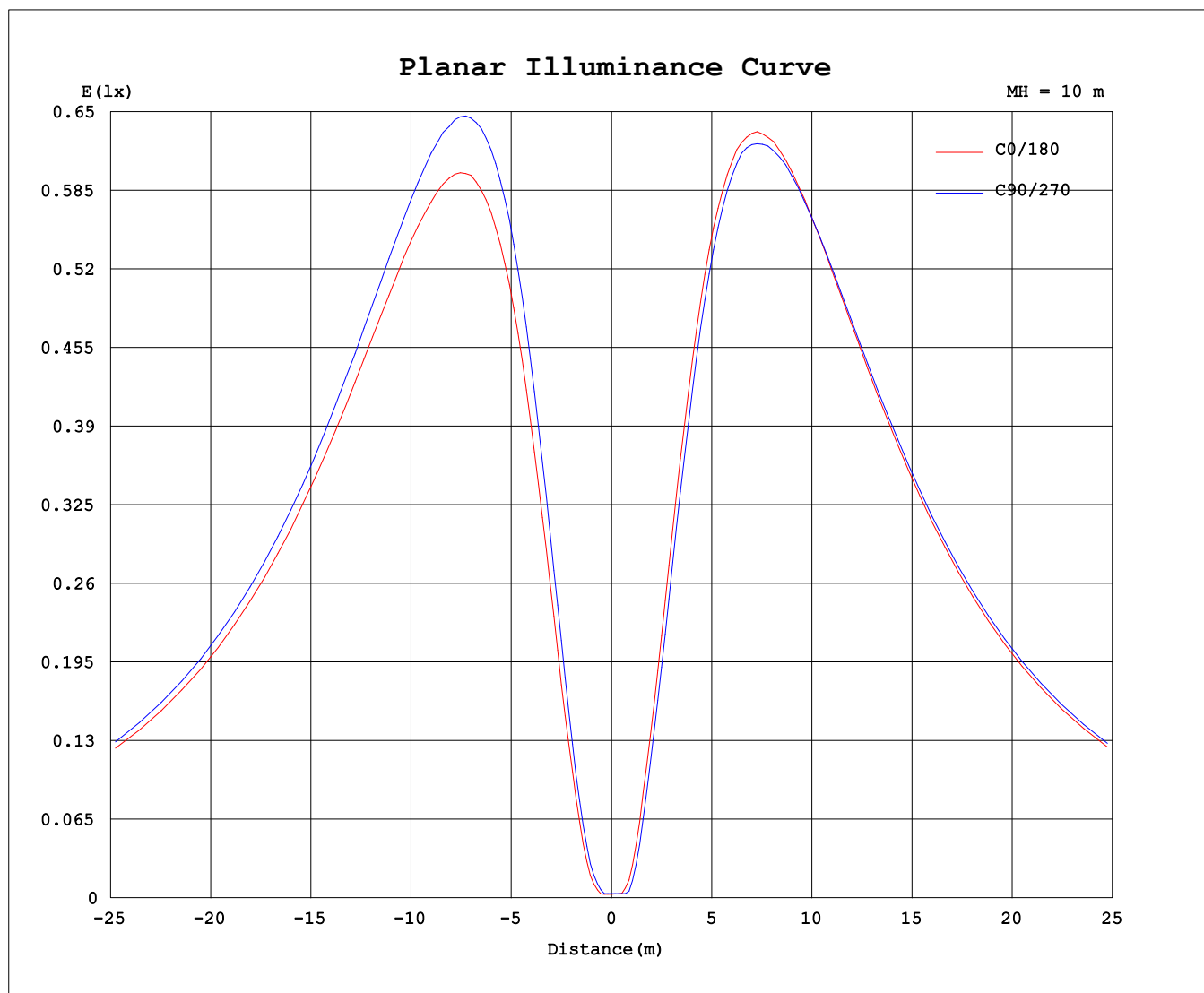
|                                                                                  |       |                  |
|----------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.0V I:0.3793A P:45.20W PF:0.9932 Freq:60.01Hz<br>Lamp Flux:2314.9x1 lm |       |                  |
| NAME: IDRC16LAJUDSN 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:2023-07-04

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: 2023-07-04

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:120.0V I:0.3793A P:45.20W PF:0.9932 Freq:60.01Hz<br>Lamp Flux:2314.9x1 lm |       |                  |
| NAME: IDRC16LAJUDSN 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                  | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36  | 0.36 | 0.36  | 0.36 | 0.36  | 0.36 | 0.36  | 0.36 | 0.36  | 0.36 | 0.36  |  |  |  |
| 5                  | 1.29 | 1.34 | 1.05 | 1.25 | 1.93 | 2.07  | 1.79 | 1.63  | 1.66 | 1.72  | 1.46 | 0.96  | 0.58 | 0.71  | 0.49 | 0.47  |  |  |  |
| 10                 | 9.45 | 8.42 | 10.4 | 11.6 | 10.7 | 11.0  | 12.3 | 13.0  | 12.7 | 10.9  | 10.9 | 10.9  | 9.30 | 8.04  | 7.34 | 8.29  |  |  |  |
| 15                 | 24.9 | 23.4 | 26.4 | 28.9 | 26.9 | 27.2  | 28.6 | 30.2  | 29.8 | 26.6  | 26.1 | 27.5  | 24.2 | 23.0  | 21.9 | 23.6  |  |  |  |
| 20                 | 45.1 | 42.1 | 45.8 | 49.4 | 47.0 | 46.7  | 48.1 | 50.6  | 51.5 | 46.1  | 45.9 | 47.8  | 43.9 | 42.4  | 41.2 | 43.0  |  |  |  |
| 25                 | 68.6 | 63.1 | 67.8 | 72.0 | 69.7 | 68.6  | 70.0 | 72.6  | 75.8 | 67.4  | 68.0 | 70.4  | 66.4 | 64.2  | 63.1 | 64.3  |  |  |  |
| 30                 | 93.4 | 85.4 | 91.0 | 95.7 | 93.4 | 91.2  | 93.1 | 95.5  | 101  | 89.7  | 91.2 | 93.6  | 90.0 | 87.2  | 86.4 | 86.8  |  |  |  |
| 35                 | 119  | 108  | 115  | 119  | 117  | 114   | 116  | 118   | 126  | 111   | 115  | 117   | 113  | 110   | 110  | 110   |  |  |  |
| 40                 | 144  | 130  | 138  | 143  | 141  | 136   | 139  | 140   | 150  | 133   | 137  | 140   | 136  | 133   | 133  | 132   |  |  |  |
| 45                 | 168  | 152  | 160  | 165  | 163  | 158   | 161  | 162   | 174  | 154   | 158  | 162   | 159  | 155   | 155  | 154   |  |  |  |
| 50                 | 191  | 172  | 179  | 186  | 185  | 178   | 182  | 182   | 196  | 174   | 178  | 183   | 181  | 176   | 176  | 174   |  |  |  |
| 55                 | 212  | 191  | 197  | 205  | 204  | 198   | 201  | 200   | 217  | 192   | 195  | 202   | 201  | 196   | 196  | 193   |  |  |  |
| 60                 | 232  | 208  | 213  | 221  | 222  | 215   | 218  | 217   | 236  | 209   | 212  | 217   | 219  | 213   | 214  | 210   |  |  |  |
| 65                 | 249  | 223  | 229  | 231  | 237  | 230   | 232  | 231   | 252  | 223   | 227  | 225   | 235  | 229   | 229  | 225   |  |  |  |
| 70                 | 263  | 236  | 242  | 235  | 251  | 242   | 243  | 243   | 265  | 235   | 240  | 230   | 248  | 242   | 241  | 237   |  |  |  |
| 75                 | 274  | 246  | 252  | 242  | 261  | 247   | 251  | 252   | 275  | 244   | 250  | 239   | 258  | 249   | 250  | 247   |  |  |  |
| 80                 | 282  | 252  | 259  | 251  | 266  | 247   | 257  | 257   | 282  | 250   | 256  | 248   | 265  | 250   | 257  | 254   |  |  |  |
| 85                 | 286  | 255  | 262  | 257  | 269  | 249   | 260  | 259   | 285  | 253   | 260  | 253   | 270  | 252   | 261  | 258   |  |  |  |
| 90                 | 286  | 255  | 263  | 258  | 269  | 250   | 259  | 258   | 284  | 253   | 260  | 255   | 268  | 253   | 261  | 258   |  |  |  |
| 95                 | 282  | 253  | 260  | 253  | 266  | 245   | 255  | 254   | 280  | 251   | 256  | 250   | 266  | 249   | 257  | 255   |  |  |  |
| 100                | 276  | 247  | 253  | 245  | 258  | 237   | 248  | 247   | 272  | 244   | 248  | 241   | 260  | 241   | 251  | 249   |  |  |  |
| 105                | 266  | 239  | 243  | 236  | 248  | 226   | 238  | 237   | 261  | 235   | 238  | 233   | 250  | 231   | 242  | 240   |  |  |  |
| 110                | 253  | 227  | 230  | 230  | 235  | 217   | 225  | 225   | 247  | 223   | 225  | 228   | 237  | 220   | 229  | 229   |  |  |  |
| 115                | 237  | 214  | 216  | 220  | 220  | 210   | 210  | 210   | 231  | 209   | 211  | 218   | 222  | 213   | 215  | 215   |  |  |  |
| 120                | 219  | 198  | 200  | 205  | 202  | 198   | 193  | 193   | 213  | 193   | 196  | 202   | 205  | 203   | 198  | 199   |  |  |  |
| 125                | 199  | 180  | 183  | 186  | 183  | 180   | 175  | 175   | 192  | 175   | 178  | 183   | 186  | 186   | 180  | 181   |  |  |  |
| 130                | 177  | 161  | 163  | 166  | 162  | 160   | 156  | 155   | 170  | 156   | 159  | 164   | 165  | 167   | 161  | 162   |  |  |  |
| 135                | 154  | 141  | 142  | 145  | 140  | 140   | 136  | 134   | 147  | 136   | 138  | 142   | 144  | 146   | 142  | 141   |  |  |  |
| 140                | 131  | 120  | 120  | 122  | 118  | 118   | 114  | 113   | 124  | 115   | 116  | 120   | 122  | 125   | 120  | 120   |  |  |  |
| 145                | 107  | 99.8 | 98.7 | 99.5 | 96.5 | 96.5  | 91.7 | 91.6  | 100  | 93.7  | 94.1 | 98.0  | 99.1 | 103   | 98.7 | 97.8  |  |  |  |
| 150                | 83.5 | 78.2 | 76.2 | 76.8 | 74.0 | 74.7  | 69.8 | 69.9  | 76.9 | 72.4  | 72.0 | 75.5  | 76.5 | 80.7  | 77.5 | 75.5  |  |  |  |
| 155                | 60.0 | 57.1 | 54.4 | 55.0 | 52.4 | 53.5  | 48.9 | 49.2  | 54.5 | 51.4  | 51.0 | 53.4  | 54.3 | 57.3  | 57.5 | 54.4  |  |  |  |
| 160                | 38.4 | 37.2 | 34.6 | 34.9 | 32.7 | 33.8  | 30.0 | 30.0  | 34.2 | 31.8  | 32.7 | 33.0  | 34.1 | 36.8  | 38.7 | 35.5  |  |  |  |
| 165                | 20.0 | 19.6 | 18.2 | 17.3 | 16.6 | 16.7  | 14.6 | 13.8  | 17.0 | 15.4  | 16.2 | 15.7  | 17.3 | 19.1  | 21.0 | 19.1  |  |  |  |
| 170                | 6.46 | 5.75 | 5.88 | 5.38 | 5.15 | 3.89  | 3.52 | 3.60  | 4.36 | 3.85  | 3.73 | 4.11  | 5.08 | 5.87  | 6.78 | 7.02  |  |  |  |
| 175                | 0.72 | 0.37 | 0.35 | 0.57 | 0.43 | 0.26  | 0.27 | 0.27  | 0.29 | 0.26  | 0.50 | 0.34  | 0.27 | 0.38  | 0.27 | 0.67  |  |  |  |
| 180                | 0.38 | 0.25 | 0.40 | 0.26 | 0.47 | 0.25  | 0.31 | 0.27  | 0.36 | 0.32  | 0.26 | 0.35  | 0.26 | 0.39  | 0.26 | 0.28  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
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Operators:Dano  
Test Date:2023-07-04

γ Range: 0 - 180DEG  
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Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.459  
Humidity:55.3%  
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Remarks: