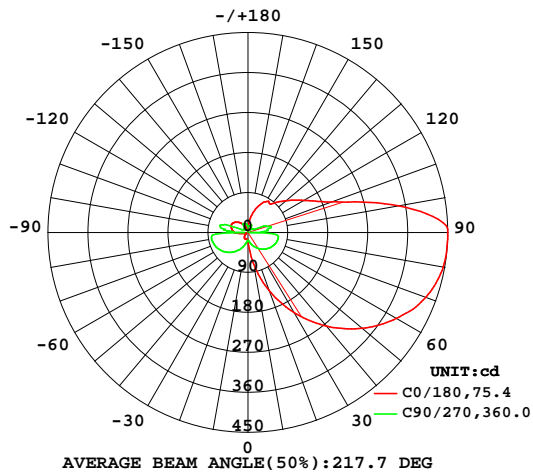


## LUMINAIRE PHOTOMETRIC TEST REPORT

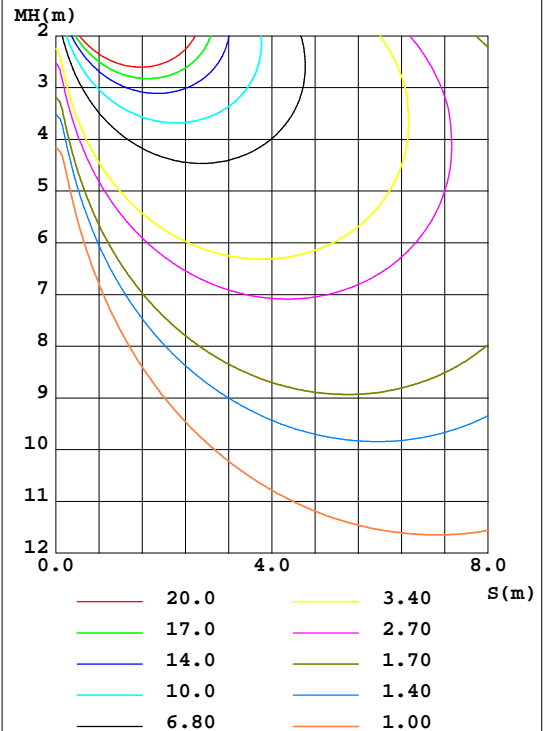
|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.8190A P:19.60W PF:1.000 Freq:0Hz Lamp Flux:1169.01x1 lm |                  |                  |
| NAME: AS3535-15N90  | TYPE:            | WEIGHT:          |
| SPEC.:AS3535-15N90  | DIM.: 1000*35*35 | SERIAL No.:      |
| MFR.: COLORS  | SUR.:1000*35     | Shielding Angle: |

| DATA OF LAMP     |              | PHOTOMETRIC DATA Eff: 59.64 lm/W |         |                   |           |
|------------------|--------------|----------------------------------|---------|-------------------|-----------|
| MODEL            | AS3535-15N90 | I <sub>max</sub> (cd)            | 449.9   | S/MH(C0/180)      | 1.33      |
| NOMINAL POWER(W) | 19.6         | LOR(%)                           | 100.0   | S/MH(C90/270)     | 3.43      |
| RATED VOLTAGE(V) | 24           | TOTAL FLUX(lm)                   | 1169.0  | h UP,DN(C0-180)   | 22.4,43.0 |
| NOMINAL FLUX(lm) | 1169.01      | CIE CLASS                        | SEMI-D. | h UP,DN(C180-360) | 12.2,22.4 |
| LAMPS INSIDE     | 1            | h up(%)                          | 34.6    | CIBSE SHR NOM     | 0.00      |
| TEST VOLTAGE(V)  | 24           | h down(%)                        | 65.4    | CIBSE SHR MAX     | 1.00      |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:2020-04-10

g Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.950m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

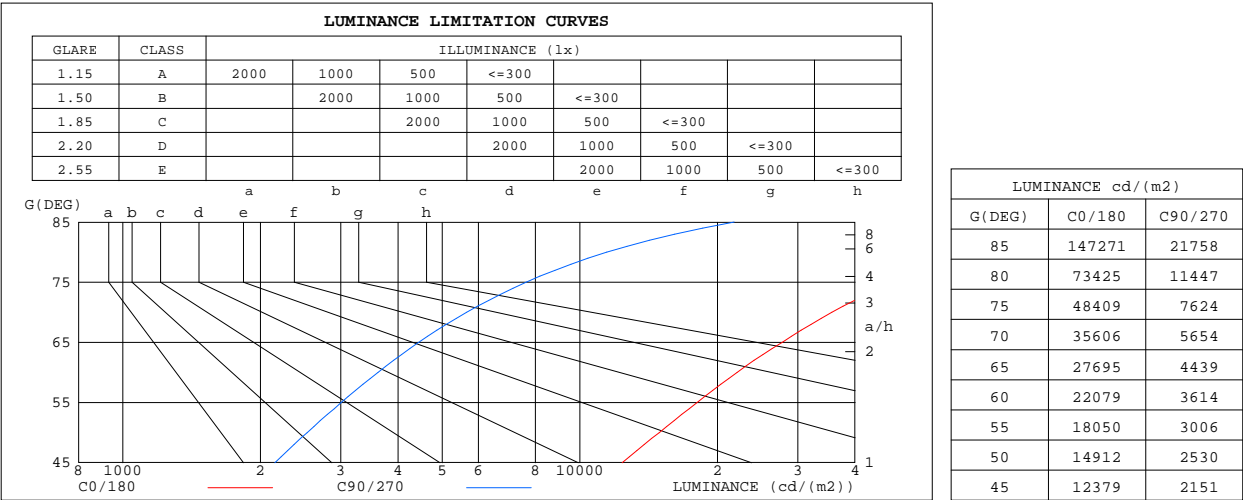
| g   | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | g       | F zone  | F total | %lum,lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|-----------|
| 10  | 69.10                 | 45.60 | 22.14 | 17.11 | 16.01 | 16.67 | 23.63 | 51.92 | 0- 10   | 2.485   | 2.485   | 0.21,0.21 |
| 20  | 138.7                 | 90.75 | 31.02 | 15.94 | 16.32 | 16.19 | 35.32 | 101.5 | 10- 20  | 12.86   | 15.35   | 1.31,1.31 |
| 30  | 208.5                 | 136.5 | 40.37 | 15.42 | 15.60 | 15.74 | 47.25 | 150.5 | 20- 30  | 31.49   | 46.83   | 4.01,4.01 |
| 40  | 275.1                 | 179.6 | 49.14 | 13.98 | 13.18 | 14.13 | 58.36 | 196.8 | 30- 40  | 56.55   | 103.4   | 8.84,8.84 |
| 50  | 335.5                 | 218.3 | 56.93 | 11.02 | 8.638 | 11.30 | 68.05 | 238.1 | 40- 50  | 85.05   | 188.4   | 16.1,16.1 |
| 60  | 386.4                 | 250.4 | 63.25 | 6.646 | 4.443 | 6.940 | 75.76 | 272.1 | 50- 60  | 113.3   | 301.8   | 25.8,25.8 |
| 70  | 426.2                 | 274.4 | 67.69 | 3.634 | 5.517 | 3.741 | 80.52 | 297.2 | 60- 70  | 138.4   | 440.2   | 37.7,37.7 |
| 80  | 446.3                 | 287.6 | 69.57 | 8.707 | 14.79 | 7.836 | 83.56 | 309.0 | 70- 80  | 158.1   | 598.3   | 51.2,51.2 |
| 90  | 449.7                 | 289.3 | 4.309 | 21.12 | 31.22 | 20.29 | 8.358 | 309.8 | 80- 90  | 166.7   | 765.0   | 65.4,65.4 |
| 100 | 346.2                 | 186.6 | 45.99 | 25.17 | 36.25 | 24.87 | 61.46 | 184.1 | 90-100  | 148.3   | 913.3   | 78.1,78.1 |
| 110 | 202.4                 | 104.4 | 43.80 | 29.07 | 40.53 | 28.50 | 51.92 | 110.0 | 100-110 | 98.13   | 1011    | 86.5,86.5 |
| 120 | 145.4                 | 53.20 | 15.12 | 28.72 | 41.18 | 27.49 | 13.69 | 74.19 | 110-120 | 60.48   | 1072    | 91.7,91.7 |
| 130 | 111.9                 | 9.996 | 13.50 | 26.13 | 36.52 | 24.67 | 11.62 | 11.59 | 120-130 | 34.58   | 1107    | 94.7,94.7 |
| 140 | 84.97                 | 36.76 | 8.733 | 21.93 | 29.53 | 20.45 | 6.946 | 26.84 | 130-140 | 22.94   | 1129    | 96.6,96.6 |
| 150 | 80.63                 | 36.38 | 16.54 | 17.46 | 21.30 | 16.17 | 22.68 | 30.27 | 140-150 | 18.84   | 1148    | 98.2,98.2 |
| 160 | 60.38                 | 26.77 | 16.35 | 11.94 | 13.64 | 11.16 | 21.09 | 30.65 | 150-160 | 12.59   | 1161    | 99.3,99.3 |
| 170 | 34.01                 | 32.54 | 15.20 | 7.273 | 4.467 | 7.243 | 18.99 | 36.08 | 160-170 | 6.583   | 1167    | 99.9,99.9 |
| 180 | 8.176                 | 11.80 | 13.19 | 11.42 | 8.176 | 11.96 | 12.92 | 11.35 | 170-180 | 1.517   | 1169    | 100,100   |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |         | UNIT:lm |         |           |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2020-04-10

g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.8190A P:19.60W PF:1.000 Freq:0Hz Lamp Flux:1169.01x1 lm |                  |                  |
| NAME: AS3535-15N90  | TYPE:            | WEIGHT:          |
| SPEC.:AS3535-15N90  | DIM.: 1000*35*35 | SERIAL No.:      |
| MFR.: COLORS  | SUR.:1000*35     | Shielding Angle: |



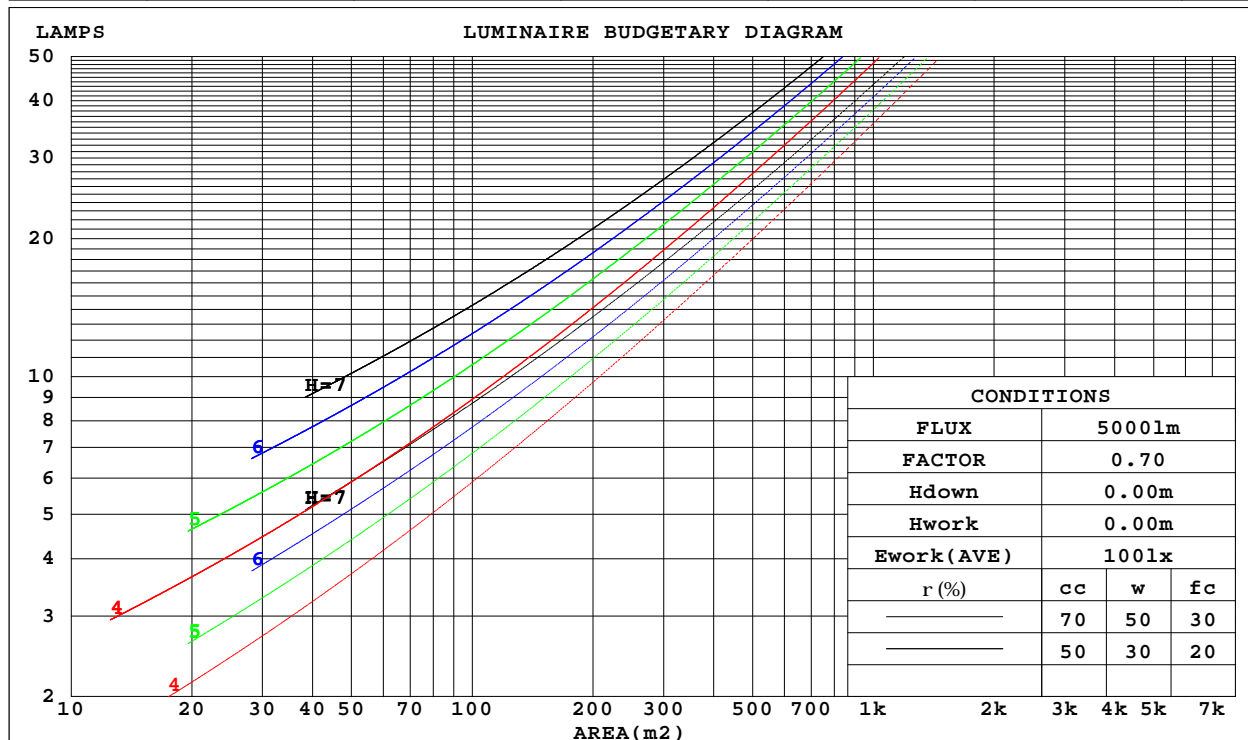
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2020-04-10

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.8190A P:19.60W PF:1.000 Freq:0Hz Lamp Flux:1169.01x1 lm |                  |                  |
| NAME: AS3535-15N90  | TYPE:            | WEIGHT:          |
| SPEC.:AS3535-15N90  | DIM.: 1000*35*35 | SERIAL No.:      |
| MFR.: COLORS  | SUR.:1000*35     | Shielding Angle: |

| r <sub>cc</sub> | 80%                   |      |      | 70%                             |      |      | 50% |     |     | 30% |     |     | 10% |     |     | 0   |
|-----------------|-----------------------|------|------|---------------------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| r <sub>w</sub>  | 50%                   | 30%  | 10%  | 50%                             | 30%  | 10%  | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0   |
| r <sub>fc</sub> | 20%                   |      |      | 20%                             |      |      | 20% |     |     | 20% |     |     | 20% |     |     | 0   |
| RCR             | RCR:Room Cavity Ratio |      |      | Coefficients of Utilization(CU) |      |      |     |     |     |     |     |     |     |     |     |     |
| 0.0             | 1.11                  | 1.11 | 1.11 | 1.04                            | 1.04 | 1.04 | .92 | .92 | .92 | .81 | .81 | .81 | .70 | .70 | .70 | .65 |
| 1.0             | .86                   | .80  | .73  | .81                             | .74  | .69  | .70 | .65 | .60 | .60 | .56 | .52 | .51 | .48 | .45 | .40 |
| 2.0             | .71                   | .62  | .54  | .66                             | .58  | .51  | .57 | .50 | .44 | .48 | .43 | .38 | .40 | .36 | .32 | .28 |
| 3.0             | .60                   | .50  | .42  | .56                             | .47  | .39  | .48 | .40 | .34 | .41 | .34 | .29 | .34 | .29 | .24 | .20 |
| 4.0             | .52                   | .42  | .34  | .48                             | .39  | .31  | .41 | .33 | .27 | .35 | .28 | .23 | .29 | .23 | .19 | .16 |
| 5.0             | .46                   | .35  | .27  | .42                             | .33  | .26  | .36 | .28 | .22 | .30 | .24 | .19 | .25 | .20 | .16 | .12 |
| 6.0             | .40                   | .30  | .23  | .37                             | .28  | .21  | .32 | .24 | .19 | .27 | .21 | .16 | .22 | .17 | .13 | .10 |
| 7.0             | .36                   | .26  | .19  | .33                             | .24  | .18  | .29 | .21 | .16 | .24 | .18 | .13 | .20 | .15 | .11 | .08 |
| 8.0             | .32                   | .23  | .17  | .30                             | .22  | .16  | .26 | .19 | .13 | .22 | .16 | .11 | .18 | .13 | .09 | .07 |
| 9.0             | .29                   | .20  | .14  | .27                             | .19  | .14  | .23 | .17 | .12 | .20 | .14 | .10 | .17 | .12 | .08 | .06 |
| 10.0            | .27                   | .18  | .13  | .25                             | .17  | .12  | .21 | .15 | .10 | .18 | .13 | .09 | .15 | .10 | .07 | .05 |



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:2020-04-10

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.950m [K=1.0000]  
 Remarks:

## WEC AND CCEC

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.8190A P:19.60W PF:1.000 Freq:0Hz Lamp Flux:1169.01x1 lm |                  |                  |
| NAME: AS3535-15N90  | TYPE:            | WEIGHT:          |
| SPEC.:AS3535-15N90  | DIM.: 1000*35*35 | SERIAL No.:      |
| MFR.: COLORS  | SUR.:1000*35     | Shielding Angle: |

|      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| rcc  | 80%   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
| rw   | 50%   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| rfc  | 20%   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0  |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 1.0  | .487  | .277 | .088 | .469 | .267 | .085 | .435 | .250 | .080 | .404 | .233 | .075 | .376 | .218 | .070 |   |
| 2.0  | .394  | .216 | .066 | .378 | .208 | .064 | .347 | .193 | .060 | .319 | .179 | .056 | .293 | .165 | .052 |   |
| 3.0  | .337  | .180 | .054 | .322 | .173 | .052 | .294 | .160 | .048 | .268 | .147 | .045 | .244 | .135 | .042 |   |
| 4.0  | .296  | .154 | .045 | .282 | .148 | .044 | .257 | .136 | .041 | .233 | .125 | .038 | .211 | .115 | .035 |   |
| 5.0  | .264  | .135 | .039 | .252 | .129 | .038 | .228 | .119 | .035 | .206 | .109 | .032 | .186 | .099 | .030 |   |
| 6.0  | .239  | .120 | .034 | .227 | .115 | .033 | .206 | .105 | .031 | .186 | .096 | .028 | .167 | .088 | .026 |   |
| 7.0  | .218  | .108 | .031 | .207 | .103 | .029 | .187 | .095 | .027 | .169 | .087 | .025 | .151 | .079 | .023 |   |
| 8.0  | .200  | .098 | .027 | .190 | .094 | .027 | .172 | .086 | .025 | .155 | .078 | .023 | .139 | .071 | .021 |   |
| 9.0  | .185  | .090 | .025 | .176 | .086 | .024 | .159 | .079 | .022 | .143 | .072 | .021 | .128 | .065 | .019 |   |
| 10.0 | .172  | .083 | .023 | .164 | .079 | .022 | .148 | .073 | .020 | .133 | .066 | .019 | .119 | .060 | .017 |   |

|      |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| rcc  | 80%  |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
| rw   | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| rfc  | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
| 0.0  | .454   | .454 | .454 | .388 | .388 | .388 | .265 | .265 | .265 | .152 | .152 | .152 | .049 | .049 | .049 |   |
| 1.0  | .458   | .420 | .386 | .392 | .361 | .332 | .268 | .248 | .230 | .154 | .144 | .134 | .049 | .046 | .043 |   |
| 2.0  | .453   | .399 | .353 | .388 | .343 | .305 | .266 | .237 | .213 | .153 | .138 | .125 | .049 | .045 | .041 |   |
| 3.0  | .446   | .383 | .333 | .383 | .331 | .289 | .263 | .230 | .203 | .152 | .134 | .120 | .049 | .044 | .039 |   |
| 4.0  | .438   | .372 | .321 | .376 | .321 | .279 | .259 | .224 | .197 | .150 | .131 | .116 | .048 | .043 | .038 |   |
| 5.0  | .430   | .363 | .313 | .369 | .314 | .272 | .255 | .219 | .192 | .147 | .129 | .114 | .048 | .042 | .038 |   |
| 6.0  | .422   | .355 | .307 | .363 | .308 | .268 | .250 | .215 | .189 | .145 | .127 | .112 | .047 | .041 | .037 |   |
| 7.0  | .415   | .349 | .303 | .357 | .303 | .264 | .247 | .212 | .187 | .143 | .125 | .111 | .046 | .041 | .037 |   |
| 8.0  | .408   | .344 | .300 | .351 | .298 | .261 | .243 | .209 | .185 | .141 | .123 | .110 | .046 | .040 | .037 |   |
| 9.0  | .401   | .339 | .297 | .346 | .294 | .259 | .239 | .207 | .184 | .139 | .122 | .110 | .045 | .040 | .036 |   |
| 10.0 | .395   | .335 | .295 | .340 | .291 | .258 | .236 | .205 | .183 | .138 | .121 | .109 | .045 | .040 | .036 |   |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2020-04-10

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

|   |                  |      |      |      |                  |                |      |                  |      |      |      |
|---|------------------|------|------|------|------------------|----------------|------|------------------|------|------|------|
| Test:U:24.00V I:0.8190A P:19.60W PF:1.000 Freq:0Hz Lamp Flux:1169.01x1 lm |                  |      |      |      |                  |                |      |                  |      |      |      |
| NAME: AS3535-15N90  |                  |      |      |      | TYPE:            |                |      | WEIGHT:          |      |      |      |
| SPEC.:AS3535-15N90  |                  |      |      |      | DIM.: 1000*35*35 |                |      | SERIAL No.:      |      |      |      |
| MFR.: COLORS  |                  |      |      |      | SUR.:1000*35     |                |      | 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   | 23.2             | 24.6 | 24.0 | 25.3 | 26.2             | 17.4           | 18.7 | 18.1             | 19.5 | 20.4 |      |
| 3H  | 27.2             | 28.5 | 28.0 | 29.2 | 30.2             | 20.0           | 21.2 | 20.7             | 22.0 | 22.9 |      |
| 4H  | 29.4             | 30.6 | 30.2 | 31.4 | 32.4             | 21.3           | 22.5 | 22.1             | 23.3 | 24.3 |      |
| 6H  | 31.8             | 32.9 | 32.6 | 33.7 | 34.7             | 22.8           | 23.9 | 23.6             | 24.7 | 25.7 |      |
| 8H  | 33.1             | 34.1 | 33.9 | 35.0 | 36.0             | 23.6           | 24.6 | 24.3             | 25.5 | 26.5 |      |
| 12H   | 34.5             | 35.6 | 35.3 | 36.4 | 37.4             | 24.4           | 25.4 | 25.2             | 26.3 | 27.3 |      |
| 4H  | 2H               | 23.8 | 25.0 | 24.6 | 25.8             | 26.7           | 20.4 | 21.6             | 21.2 | 22.4 | 23.4 |
|   | 3H               | 28.0 | 29.0 | 28.8 | 29.8             | 30.9           | 23.1 | 24.1             | 23.9 | 24.9 | 25.9 |
|   | 4H               | 30.3 | 31.3 | 31.1 | 32.1             | 33.2           | 24.5 | 25.5             | 25.3 | 26.3 | 27.4 |
|   | 6H               | 32.9 | 33.8 | 33.7 | 34.6             | 35.7           | 26.0 | 26.9             | 26.8 | 27.7 | 28.8 |
|   | 8H               | 34.3 | 35.1 | 35.2 | 36.0             | 37.1           | 26.7 | 27.6             | 27.6 | 28.4 | 29.5 |
|   | 12H              | 35.9 | 36.7 | 36.8 | 37.6             | 38.7           | 27.5 | 28.3             | 28.4 | 29.2 | 30.3 |
| 8H  | 4H               | 30.7 | 31.5 | 31.6 | 32.4             | 33.5           | 26.7 | 27.5             | 27.5 | 28.4 | 29.4 |
|   | 6H               | 33.6 | 34.3 | 34.4 | 35.2             | 36.3           | 28.5 | 29.2             | 29.4 | 30.1 | 31.2 |
|   | 8H               | 35.2 | 35.8 | 36.1 | 36.7             | 37.9           | 29.5 | 30.1             | 30.4 | 31.0 | 32.1 |
|   | 12H              | 37.1 | 37.6 | 37.9 | 38.5             | 39.7           | 30.4 | 31.0             | 31.3 | 31.9 | 33.1 |
| 12H   | 4H               | 30.8 | 31.5 | 31.6 | 32.4             | 33.5           | 27.4 | 28.2             | 28.2 | 29.0 | 30.1 |
|   | 6H               | 33.7 | 34.4 | 34.6 | 35.3             | 36.4           | 29.5 | 30.1             | 30.4 | 31.0 | 32.1 |
|   | 8H               | 35.5 | 36.0 | 36.3 | 36.9             | 38.1           | 30.6 | 31.2             | 31.5 | 32.1 | 33.3 |
| Variations with the observer position at spacings:                        |                  |      |      |      |                  |                |      |                  |      |      |      |
| S = 1.0H  | + 0.1 / - 0.1    |      |      |      |                  | + 0.1 / - 0.1  |      |                  |      |      |      |
| 1.5H  | + 0.2 / - 0.2    |      |      |      |                  | + 0.2 / - 0.2  |      |                  |      |      |      |
| 2.0H  | + 0.3 / - 0.3    |      |      |      |                  | + 0.3 / - 0.4  |      |                  |      |      |      |

CIE Pub.117, 1169 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.5)

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2020-04-10

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.8190A P:19.60W PF:1.000 Freq:0Hz Lamp Flux:1169.01x1 lm |                  |                  |
| NAME: AS3535-15N90  | TYPE:            | WEIGHT:          |
| SPEC.:AS3535-15N90  | DIM.: 1000*35*35 | SERIAL No.:      |
| MFR.: COLORS  | SUR.:1000*35     | Shielding Angle: |

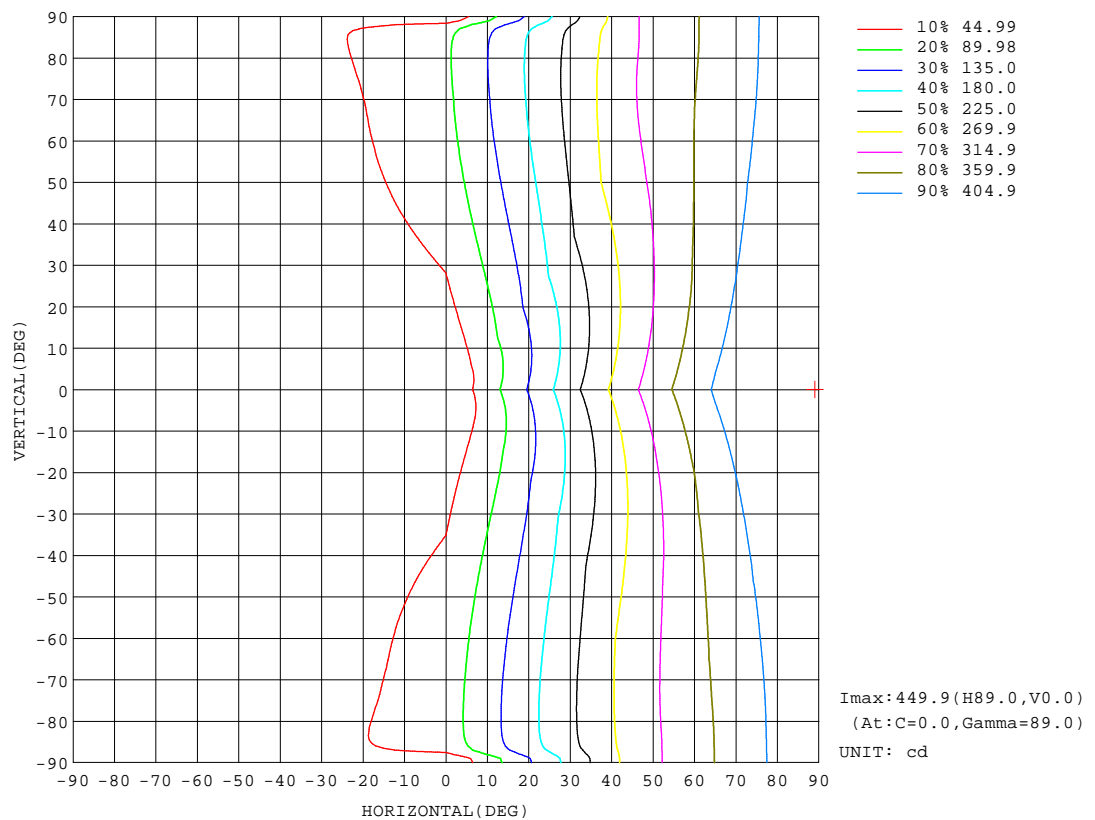
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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                         | 36  | 22  | 14        | 34  | 21  | 14  | 32  | 20            | 13  | 6      |
| 0.80                             | 44  | 29  | 20        | 42  | 28  | 19  | 38  | 26            | 18  | 9      |
| 1.00                             | 51  | 36  | 26        | 49  | 34  | 25  | 44  | 34            | 23  | 13     |
| 1.25                             | 58  | 43  | 32        | 55  | 41  | 31  | 49  | 37            | 29  | 17     |
| 1.50                             | 63  | 48  | 37        | 60  | 46  | 36  | 53  | 42            | 33  | 20     |
| 2.00                             | 71  | 57  | 46        | 67  | 54  | 44  | 59  | 49            | 40  | 25     |
| 2.50                             | 77  | 63  | 53        | 72  | 60  | 50  | 64  | 54            | 46  | 29     |
| 3.00                             | 81  | 69  | 59        | 76  | 65  | 56  | 67  | 58            | 50  | 32     |
| 4.00                             | 87  | 76  | 67        | 81  | 72  | 63  | 71  | 64            | 57  | 37     |
| 5.00                             | 90  | 81  | 73        | 85  | 76  | 69  | 74  | 68            | 62  | 41     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:2020-04-10

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:10.950m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.8190A P:19.60W PF:1.000 Freq:0Hz Lamp Flux:1169.01x1 lm |                  |                  |
| NAME: AS3535-15N90  | TYPE:            | WEIGHT:          |
| SPEC.:AS3535-15N90  | DIM.: 1000*35*35 | SERIAL No.:      |
| MFR.: COLORS  | SUR.:1000*35     | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2020-04-10

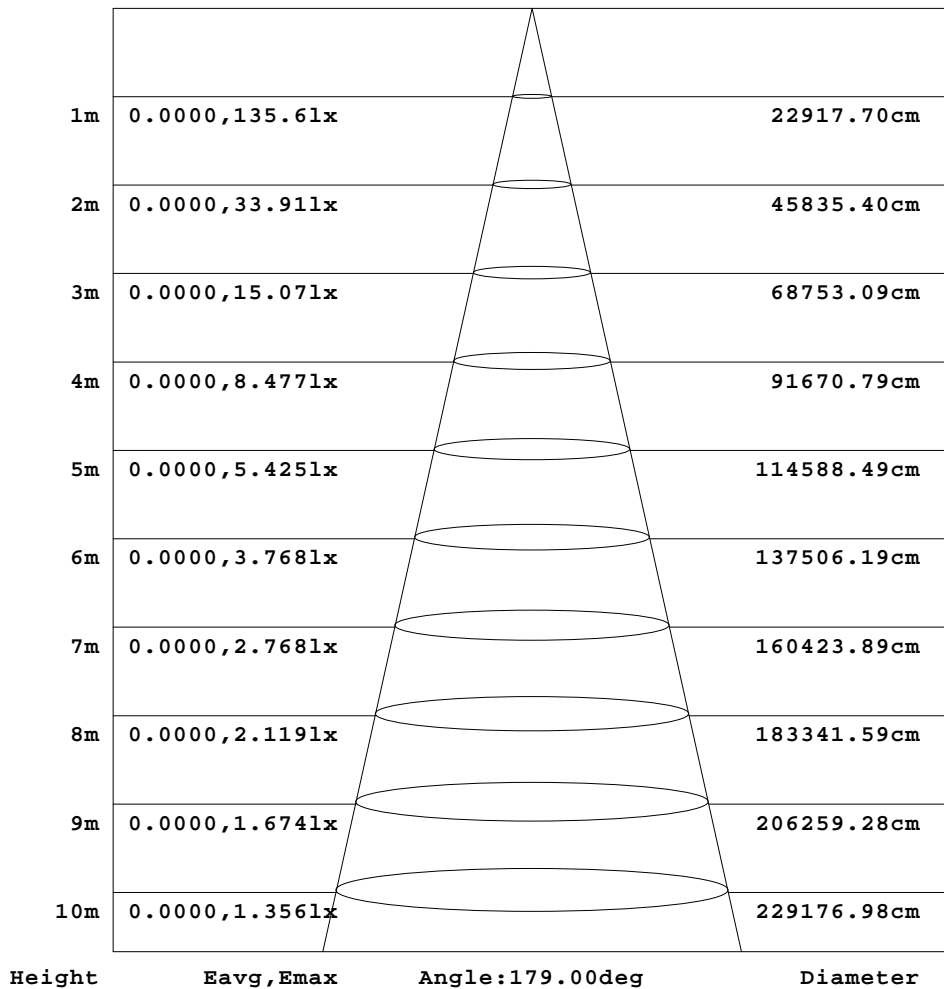
deg Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:



### AAI Figure

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.8190A P:19.60W PF:1.000 Freq:0Hz Lamp Flux:1169.01x1 lm |                  |                  |
| NAME: AS3535-15N90  | TYPE:            | WEIGHT:          |
| SPEC.:AS3535-15N90  | DIM.: 1000*35*35 | SERIAL No.:      |
| MFR.: COLORS  | SUR.:1000*35     | Shielding Angle: |

Flux out:765.0 lm



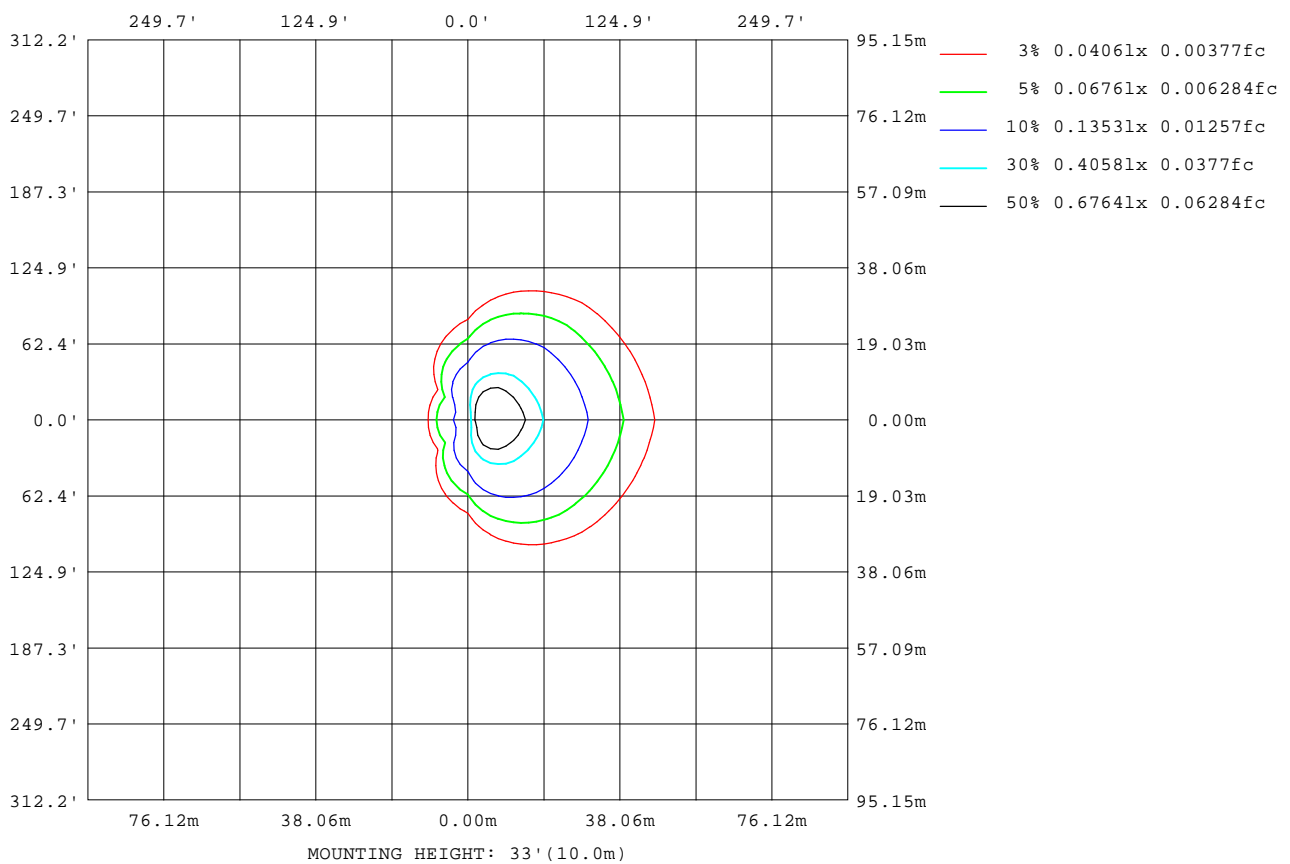
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2020-04-10

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.8190A P:19.60W PF:1.000 Freq:0Hz Lamp Flux:1169.01x1 lm |                  |                  |
| NAME: AS3535-15N90  | TYPE:            | WEIGHT:          |
| SPEC.:AS3535-15N90  | DIM.: 1000*35*35 | SERIAL No.:      |
| MFR.: COLORS  | SUR.:1000*35     | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: JYH  
 Test Date: 2020-04-10

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 10.950m [K=1.0000]  
 Remarks:

### LED Avg.L Report

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.8190A P:19.60W PF:1.000 Freq:0Hz Lamp Flux:1169.01x1 lm |                  |                  |
| NAME: AS3535-15N90  | TYPE:            | WEIGHT:          |
| SPEC.:AS3535-15N90  | DIM.: 1000*35*35 | SERIAL No.:      |
| MFR.: COLORS  | SUR.:1000*35     | Shielding Angle: |

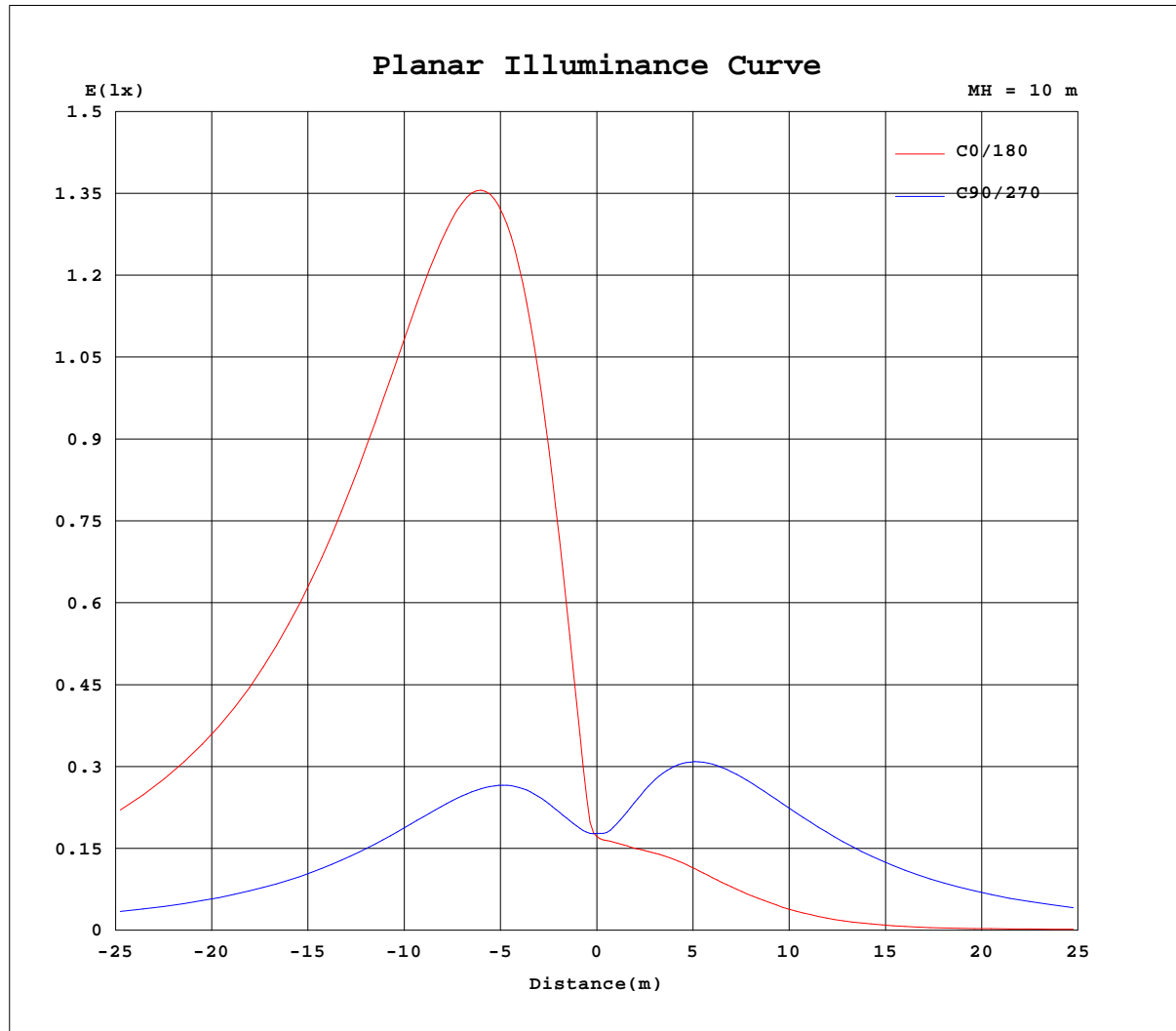
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 13991 |
| L_0~180(75)av  | 24711 |
| L_0~180(85)av  | 77434 |
| L_90~270(65)av | 4880  |
| L_90~270(75)av | 8370  |
| L_90~270(85)av | 24159 |
| L_45(65)av     | 9446  |
| L_45(75)av     | 16467 |
| L_45(85)av     | 51350 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2020-04-10

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: JYH  
Test Date: 2020-04-10

deg Range: 0 - 180DEG  
deg Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 10.950m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|   |                  |                  |
|---|------------------|------------------|
| Test:U:24.00V I:0.8190A P:19.60W PF:1.000 Freq:0Hz Lamp Flux:1169.01x1 lm |                  |                  |
| NAME: AS3535-15N90  | TYPE:            | WEIGHT:          |
| SPEC.:AS3535-15N90  | DIM.: 1000*35*35 | SERIAL No.:      |
| MFR.: COLORS  | SUR.:1000*35     | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG)<br>g (DEG) | 0    | 45    | 90   | 135  | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|-------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0                 | 17.2 | 17.4  | 17.8 | 18.8 | 17.2 | 17.4 | 17.8 | 18.8 |  |  |  |  |  |  |  |  |  |  |
| 5                 | 36.3 | 25.5  | 19.0 | 17.8 | 16.4 | 16.9 | 19.1 | 29.1 |  |  |  |  |  |  |  |  |  |  |
| 10                | 69.1 | 45.6  | 22.1 | 17.1 | 16.0 | 16.7 | 23.6 | 51.9 |  |  |  |  |  |  |  |  |  |  |
| 15                | 104  | 67.9  | 26.3 | 16.4 | 16.1 | 16.4 | 29.3 | 76.6 |  |  |  |  |  |  |  |  |  |  |
| 20                | 139  | 90.8  | 31.0 | 15.9 | 16.3 | 16.2 | 35.3 | 102  |  |  |  |  |  |  |  |  |  |  |
| 25                | 174  | 114   | 35.7 | 15.7 | 16.2 | 16.1 | 41.3 | 126  |  |  |  |  |  |  |  |  |  |  |
| 30                | 208  | 136   | 40.4 | 15.4 | 15.6 | 15.7 | 47.3 | 151  |  |  |  |  |  |  |  |  |  |  |
| 35                | 242  | 159   | 44.8 | 14.8 | 14.6 | 15.0 | 52.9 | 174  |  |  |  |  |  |  |  |  |  |  |
| 40                | 275  | 180   | 49.1 | 14.0 | 13.2 | 14.1 | 58.4 | 197  |  |  |  |  |  |  |  |  |  |  |
| 45                | 306  | 200   | 53.2 | 12.8 | 11.1 | 13.0 | 63.4 | 218  |  |  |  |  |  |  |  |  |  |  |
| 50                | 335  | 218   | 56.9 | 11.0 | 8.64 | 11.3 | 68.0 | 238  |  |  |  |  |  |  |  |  |  |  |
| 55                | 362  | 235   | 60.3 | 8.91 | 6.37 | 9.30 | 72.2 | 256  |  |  |  |  |  |  |  |  |  |  |
| 60                | 386  | 250   | 63.2 | 6.65 | 4.44 | 6.94 | 75.8 | 272  |  |  |  |  |  |  |  |  |  |  |
| 65                | 410  | 264   | 65.7 | 4.55 | 4.26 | 4.90 | 78.7 | 286  |  |  |  |  |  |  |  |  |  |  |
| 70                | 426  | 274   | 67.7 | 3.63 | 5.52 | 3.74 | 80.5 | 297  |  |  |  |  |  |  |  |  |  |  |
| 75                | 439  | 283   | 69.1 | 4.63 | 9.18 | 4.41 | 82.6 | 305  |  |  |  |  |  |  |  |  |  |  |
| 80                | 446  | 288   | 69.6 | 8.71 | 14.8 | 7.84 | 83.6 | 309  |  |  |  |  |  |  |  |  |  |  |
| 85                | 449  | 289   | 66.4 | 14.5 | 23.2 | 13.3 | 81.0 | 309  |  |  |  |  |  |  |  |  |  |  |
| 90                | 450  | 289   | 4.31 | 21.1 | 31.2 | 20.3 | 8.36 | 310  |  |  |  |  |  |  |  |  |  |  |
| 95                | 418  | 255   | 39.0 | 22.9 | 33.7 | 22.3 | 45.4 | 275  |  |  |  |  |  |  |  |  |  |  |
| 100               | 346  | 187   | 46.0 | 25.2 | 36.2 | 24.9 | 61.5 | 184  |  |  |  |  |  |  |  |  |  |  |
| 105               | 266  | 131   | 53.3 | 27.4 | 38.7 | 27.1 | 65.2 | 128  |  |  |  |  |  |  |  |  |  |  |
| 110               | 202  | 104   | 43.8 | 29.1 | 40.5 | 28.5 | 51.9 | 110  |  |  |  |  |  |  |  |  |  |  |
| 115               | 168  | 82.6  | 20.8 | 29.5 | 41.6 | 28.5 | 17.5 | 85.0 |  |  |  |  |  |  |  |  |  |  |
| 120               | 145  | 53.2  | 15.1 | 28.7 | 41.2 | 27.5 | 13.7 | 74.2 |  |  |  |  |  |  |  |  |  |  |
| 125               | 127  | 24.7  | 14.1 | 27.5 | 39.4 | 26.2 | 12.8 | 17.4 |  |  |  |  |  |  |  |  |  |  |
| 130               | 112  | 10.00 | 13.5 | 26.1 | 36.5 | 24.7 | 11.6 | 11.6 |  |  |  |  |  |  |  |  |  |  |
| 135               | 98.0 | 21.2  | 11.1 | 24.3 | 33.2 | 22.7 | 8.82 | 15.3 |  |  |  |  |  |  |  |  |  |  |
| 140               | 85.0 | 36.8  | 8.73 | 21.9 | 29.5 | 20.4 | 6.95 | 26.8 |  |  |  |  |  |  |  |  |  |  |
| 145               | 83.3 | 38.4  | 7.59 | 19.7 | 25.5 | 18.4 | 17.0 | 31.4 |  |  |  |  |  |  |  |  |  |  |
| 150               | 80.6 | 36.4  | 16.5 | 17.5 | 21.3 | 16.2 | 22.7 | 30.3 |  |  |  |  |  |  |  |  |  |  |
| 155               | 71.9 | 31.9  | 19.1 | 14.8 | 17.5 | 13.7 | 21.6 | 26.4 |  |  |  |  |  |  |  |  |  |  |
| 160               | 60.4 | 26.8  | 16.3 | 11.9 | 13.6 | 11.2 | 21.1 | 30.6 |  |  |  |  |  |  |  |  |  |  |
| 165               | 47.0 | 37.5  | 15.7 | 9.57 | 9.13 | 9.18 | 20.9 | 37.4 |  |  |  |  |  |  |  |  |  |  |
| 170               | 34.0 | 32.5  | 15.2 | 7.27 | 4.47 | 7.24 | 19.0 | 36.1 |  |  |  |  |  |  |  |  |  |  |
| 175               | 19.6 | 24.0  | 13.6 | 5.24 | 2.86 | 5.61 | 15.0 | 25.0 |  |  |  |  |  |  |  |  |  |  |
| 180               | 8.18 | 11.8  | 13.2 | 11.4 | 8.18 | 12.0 | 12.9 | 11.3 |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2020-04-10

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks: