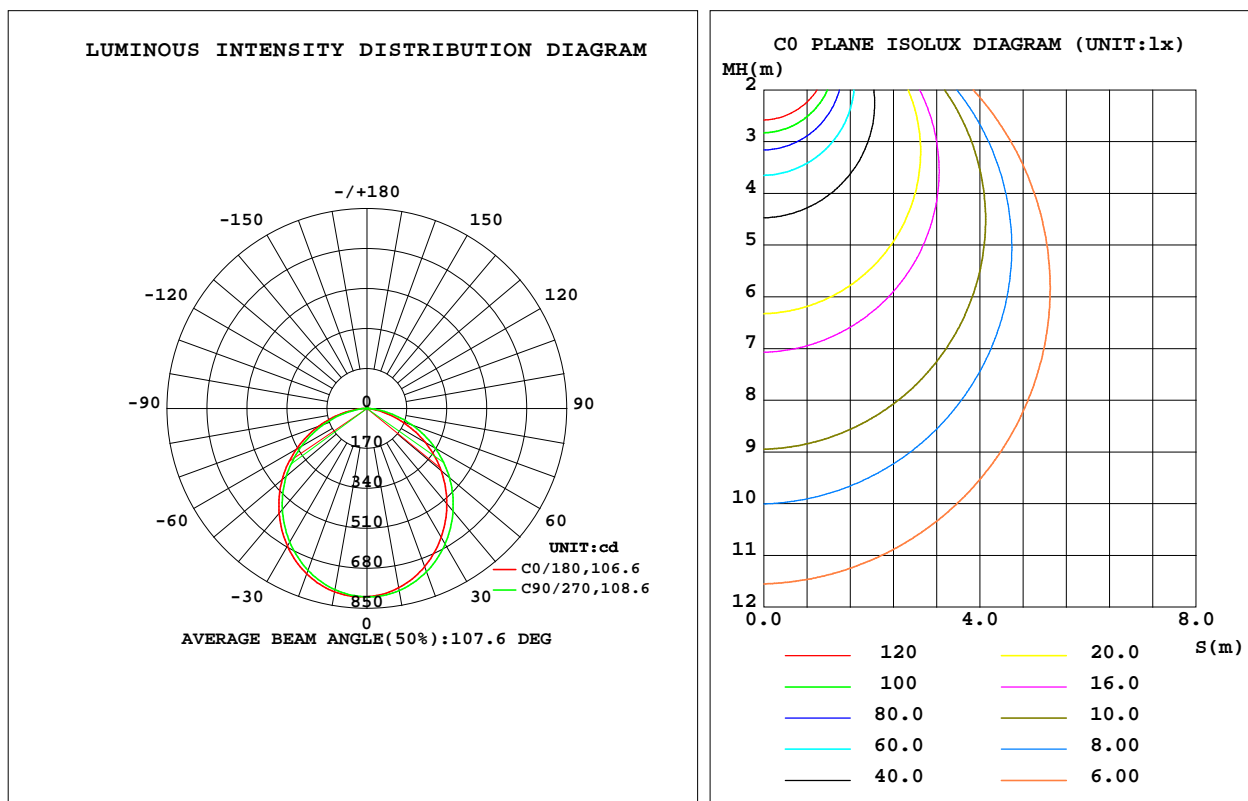


## LUMINAIRE PHOTOMETRIC TEST REPORT

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:24.00V I:1.151A P:27.62W PF:1.000 Freq:0Hz Lamp Flux:2164.62x1 lm |                    |                  |
| NAME: LLS-LE9435FDXSS1000  | TYPE:              | WEIGHT:          |
| SPEC.:LLS-LE9435FDXSS1000-F30WW8X-DC                                     | DIM.: 1000*94*35mm | SERIAL No.:      |
| MFR.: COLORS   | SUR.:1000*94       | Shielding Angle: |

| DATA OF LAMP     |                     | PHOTOMETRIC DATA Eff: 78.38 lm/W |        |                   |          |
|------------------|---------------------|----------------------------------|--------|-------------------|----------|
| MODEL            | LLS-LE9435FDXSS1000 | I <sub>max</sub> (cd)            | 802.3  | S/MH(C0/180)      | 1.18     |
| NOMINAL POWER(W) | 30                  | LOR(%)                           | 100.0  | S/MH(C90/270)     | 1.23     |
| RATED VOLTAGE(V) | 24                  | TOTAL FLUX(lm)                   | 2164.6 | h UP,DN(C0-180)   | 0.6,48.9 |
| NOMINAL FLUX(lm) | 2164.62             | CIE CLASS                        | DIRECT | h UP,DN(C180-360) | 0.5,50.0 |
| LAMPS INSIDE     | 1                   | h up(%)                          | 1.0    | CIBSE SHR NOM     | 1.25     |
| TEST VOLTAGE(V)  | 24                  | h down(%)                        | 99.0   | CIBSE SHR MAX     | 1.35     |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-03-03

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:

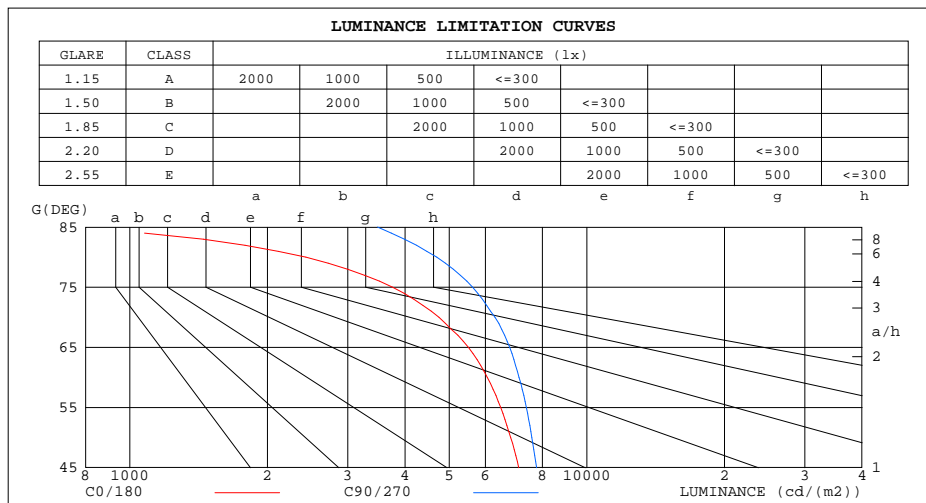
| g   | C0                    | C45   | C90   | C135  | C180   | C225   | C270   | C315   | g       | F zone  | F total | %lum,lamp |
|-----|-----------------------|-------|-------|-------|--------|--------|--------|--------|---------|---------|---------|-----------|
| 10  | 774.5                 | 782.8 | 786.2 | 780.1 | 791.8  | 788.2  | 782.7  | 768.9  | 0- 10   | 75.44   | 75.44   | 3.49,3.49 |
| 20  | 716.3                 | 730.7 | 739.2 | 736.7 | 748.9  | 741.4  | 733.0  | 715.4  | 10- 20  | 214.6   | 290.1   | 13.4,13.4 |
| 30  | 631.9                 | 651.8 | 665.1 | 664.8 | 676.3  | 666.5  | 656.8  | 635.4  | 20- 30  | 321.2   | 611.3   | 28.2,28.2 |
| 40  | 528.7                 | 551.8 | 570.0 | 570.6 | 582.0  | 570.1  | 560.3  | 535.6  | 30- 40  | 381.2   | 992.4   | 45.8,45.8 |
| 50  | 412.0                 | 437.0 | 458.1 | 460.3 | 471.1  | 457.5  | 448.3  | 421.7  | 40- 50  | 388.5   | 1381    | 63.8,63.8 |
| 60  | 284.9                 | 308.7 | 334.2 | 336.3 | 346.3  | 334.1  | 322.2  | 297.9  | 50- 60  | 343.2   | 1724    | 79.7,79.7 |
| 70  | 152.6                 | 177.7 | 202.3 | 207.5 | 216.7  | 204.1  | 193.0  | 168.5  | 60- 70  | 252.9   | 1977    | 91.3,91.3 |
| 80  | 39.62                 | 57.49 | 76.70 | 83.46 | 91.27  | 79.82  | 71.47  | 53.03  | 70- 80  | 134.6   | 2112    | 97.6,97.6 |
| 90  | 0.9886                | 1.443 | 1.995 | 2.801 | 4.815  | 1.355  | 0.3554 | 0.4350 | 80- 90  | 30.48   | 2142    | 99.99     |
| 100 | 1.770                 | 1.706 | 1.543 | 1.437 | 0.8898 | 0.9266 | 1.125  | 1.247  | 90-100  | 1.204   | 2143    | 99.99     |
| 110 | 2.984                 | 2.635 | 2.467 | 2.060 | 1.987  | 1.795  | 2.472  | 2.201  | 100-110 | 1.899   | 2145    | 99.1,99.1 |
| 120 | 4.018                 | 3.641 | 3.739 | 2.908 | 3.074  | 2.743  | 3.668  | 3.266  | 110-120 | 2.841   | 2148    | 99.2,99.2 |
| 130 | 5.006                 | 4.631 | 4.781 | 3.768 | 4.042  | 3.758  | 4.530  | 4.134  | 120-130 | 3.454   | 2152    | 99.4,99.4 |
| 140 | 5.824                 | 5.479 | 5.542 | 4.738 | 4.965  | 4.928  | 5.197  | 5.009  | 130-140 | 3.687   | 2155    | 99.6,99.6 |
| 150 | 6.572                 | 6.172 | 6.011 | 5.873 | 5.781  | 6.262  | 5.827  | 5.851  | 140-150 | 3.518   | 2159    | 99.7,99.7 |
| 160 | 7.653                 | 6.888 | 6.812 | 7.075 | 6.869  | 7.533  | 6.773  | 6.571  | 150-160 | 3.012   | 2162    | 99.9,99.9 |
| 170 | 8.416                 | 7.676 | 7.594 | 7.708 | 7.829  | 8.209  | 7.649  | 7.440  | 160-170 | 2.097   | 2164    | 100,100   |
| 180 | 9.084                 | 8.637 | 8.329 | 8.323 | 9.097  | 8.737  | 8.356  | 8.316  | 170-180 | 0.7703  | 2165    | 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:2021-03-03

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:

### LUMINANCE LIMITATION CURVES

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:24.00V I:1.151A P:27.62W PF:1.000 Freq:0Hz Lamp Flux:2164.62x1 lm |                    |                  |
| NAME: LLS-LE9435FDXSS1000  | TYPE:              | WEIGHT:          |
| SPEC.:LLS-LE9435FDXSS1000-F30WW8X-DC                                     | DIM.: 1000*94*35mm | SERIAL No.:      |
| MFR.: COLORS   | SUR.:1000*94       | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G( DEG)           | C0/180 | C90/270 |
| 85                | 673    | 3483    |
| 80                | 2428   | 4699    |
| 75                | 3759   | 5622    |
| 70                | 4746   | 6292    |
| 65                | 5509   | 6777    |
| 60                | 6062   | 7111    |
| 55                | 6481   | 7370    |
| 50                | 6818   | 7581    |
| 45                | 7097   | 7761    |

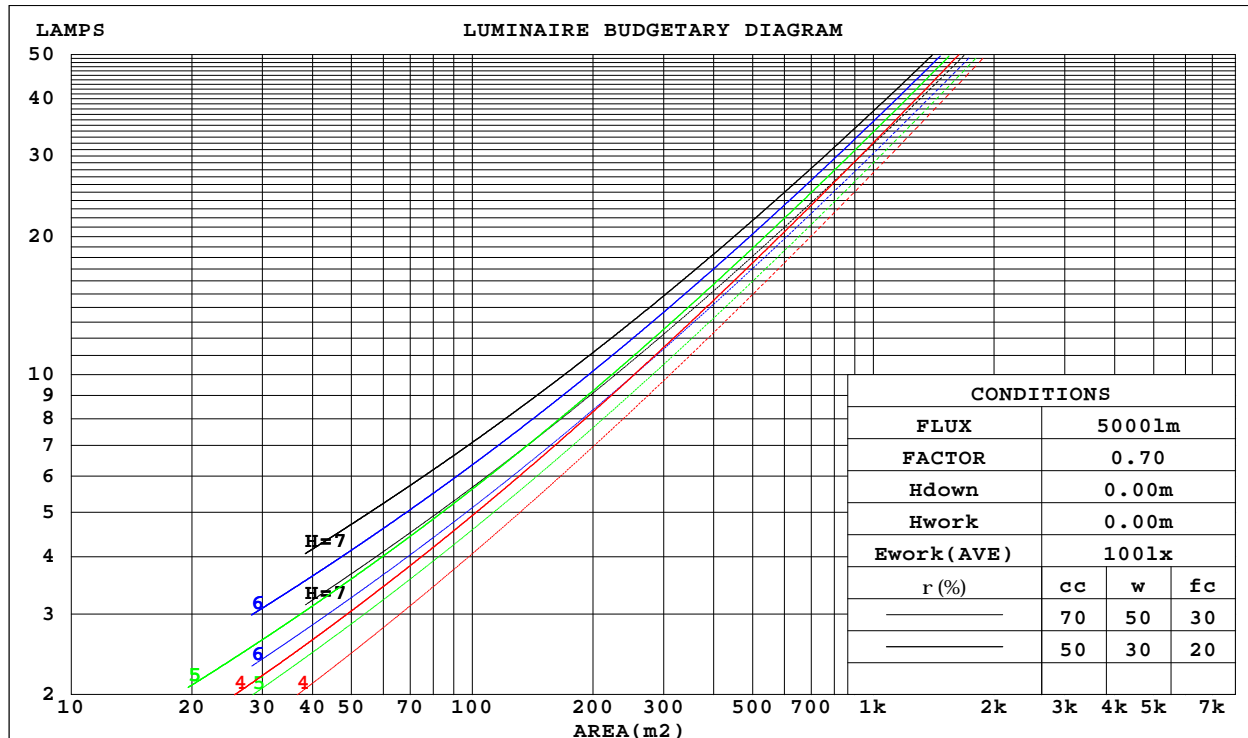
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:2021-03-03

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:1.151A P:27.62W PF:1.000 Freq:0Hz Lamp Flux:2164.62x1 lm |                    |                  |
| NAME: LLS-LE9435FDXSS1000  | TYPE:              | WEIGHT:          |
| SPEC.:LLS-LE9435FDXSS1000-F30WW8X-DC                                     | DIM.: 1000*94*35mm | SERIAL No.:      |
| MFR.: COLORS   | SUR.:1000*94       | 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             | 1.19                  | 1.19 | 1.19 | 1.16                            | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0             | 1.04                  | 1.00 | .96  | 1.02                            | .98  | .95  | .97  | .94  | .91  | .93  | .91  | .88  | .90  | .88  | .86  | .84 |
| 2.0             | .91                   | .84  | .79  | .89                             | .83  | .78  | .85  | .80  | .76  | .82  | .78  | .74  | .79  | .75  | .72  | .70 |
| 3.0             | .80                   | .72  | .66  | .78                             | .71  | .65  | .75  | .69  | .64  | .72  | .67  | .62  | .70  | .65  | .61  | .59 |
| 4.0             | .71                   | .62  | .56  | .70                             | .62  | .55  | .67  | .60  | .54  | .65  | .58  | .54  | .62  | .57  | .53  | .51 |
| 5.0             | .64                   | .55  | .48  | .62                             | .54  | .48  | .60  | .53  | .47  | .58  | .52  | .47  | .56  | .50  | .46  | .44 |
| 6.0             | .57                   | .48  | .42  | .56                             | .48  | .42  | .54  | .47  | .41  | .53  | .46  | .41  | .51  | .45  | .40  | .38 |
| 7.0             | .52                   | .43  | .37  | .51                             | .43  | .37  | .49  | .42  | .37  | .48  | .41  | .36  | .46  | .41  | .36  | .34 |
| 8.0             | .47                   | .39  | .33  | .47                             | .39  | .33  | .45  | .38  | .33  | .44  | .37  | .33  | .43  | .37  | .32  | .30 |
| 9.0             | .44                   | .35  | .30  | .43                             | .35  | .30  | .42  | .35  | .30  | .41  | .34  | .29  | .39  | .34  | .29  | .27 |
| 10.0            | .40                   | .32  | .27  | .40                             | .32  | .27  | .39  | .32  | .27  | .38  | .31  | .27  | .37  | .31  | .27  | .25 |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-03-03

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:

WEC AND CCEC

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:24.00V I:1.151A P:27.62W PF:1.000 Freq:0Hz Lamp Flux:2164.62x1 lm |                    |                  |
| NAME: LLS-LE9435FDXSS1000  | TYPE:              | WEIGHT:          |
| SPEC.:LLS-LE9435FDXSS1000-F30WW8X-DC                                     | DIM.: 1000*94*35mm | SERIAL No.:      |
| MFR.: COLORS   | SUR.:1000*94       | 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  | .299                  | .170 | .054 | .291                            | .166 | .053 | .278 | .159 | .051 | .265 | .153 | .049 | .253 | .147 | .047 |   |
| 2.0  | .284                  | .155 | .048 | .277                            | .153 | .047 | .265 | .147 | .046 | .254 | .142 | .045 | .243 | .138 | .043 |   |
| 3.0  | .264                  | .140 | .042 | .258                            | .138 | .042 | .247 | .134 | .041 | .237 | .130 | .040 | .228 | .126 | .039 |   |
| 4.0  | .244                  | .127 | .037 | .239                            | .125 | .037 | .230 | .122 | .036 | .221 | .118 | .036 | .212 | .115 | .035 |   |
| 5.0  | .226                  | .115 | .033 | .222                            | .114 | .033 | .213 | .111 | .033 | .205 | .108 | .032 | .198 | .106 | .032 |   |
| 6.0  | .210                  | .105 | .030 | .206                            | .104 | .030 | .199 | .102 | .030 | .192 | .100 | .029 | .185 | .097 | .029 |   |
| 7.0  | .196                  | .097 | .027 | .192                            | .096 | .027 | .186 | .094 | .027 | .179 | .092 | .027 | .173 | .090 | .026 |   |
| 8.0  | .183                  | .090 | .025 | .180                            | .089 | .025 | .174 | .087 | .025 | .168 | .085 | .025 | .163 | .084 | .024 |   |
| 9.0  | .172                  | .083 | .023 | .169                            | .082 | .023 | .164 | .081 | .023 | .158 | .079 | .023 | .153 | .078 | .023 |   |
| 10.0 | .162                  | .078 | .022 | .159                            | .077 | .021 | .154 | .076 | .021 | .150 | .074 | .021 | .145 | .073 | .021 |   |

| 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  | .198                  | .198 | .198 | .170 | .170 | .170 | .116                                       | .116 | .116 | .066 | .066 | .066 | .021 | .021 | .021 |   |
| 1.0  | .188                  | .164 | .143 | .160 | .141 | .123 | .110                                       | .097 | .085 | .063 | .056 | .050 | .020 | .018 | .016 |   |
| 2.0  | .179                  | .140 | .107 | .153 | .120 | .093 | .105                                       | .083 | .065 | .061 | .048 | .038 | .019 | .016 | .012 |   |
| 3.0  | .171                  | .122 | .083 | .147 | .106 | .072 | .101                                       | .073 | .051 | .058 | .043 | .030 | .019 | .014 | .010 |   |
| 4.0  | .164                  | .109 | .067 | .140 | .094 | .058 | .097                                       | .066 | .041 | .056 | .038 | .024 | .018 | .013 | .008 |   |
| 5.0  | .156                  | .099 | .056 | .134 | .085 | .049 | .092                                       | .060 | .034 | .054 | .035 | .020 | .017 | .011 | .007 |   |
| 6.0  | .149                  | .090 | .048 | .128 | .078 | .042 | .089                                       | .055 | .029 | .051 | .032 | .017 | .017 | .011 | .006 |   |
| 7.0  | .143                  | .083 | .042 | .123 | .072 | .036 | .085                                       | .051 | .026 | .049 | .030 | .015 | .016 | .010 | .005 |   |
| 8.0  | .136                  | .078 | .037 | .117 | .067 | .032 | .081                                       | .047 | .023 | .047 | .028 | .014 | .015 | .009 | .005 |   |
| 9.0  | .130                  | .073 | .034 | .112 | .063 | .029 | .078                                       | .044 | .021 | .045 | .026 | .012 | .015 | .009 | .004 |   |
| 10.0 | .125                  | .068 | .031 | .107 | .059 | .027 | .074                                       | .042 | .019 | .043 | .025 | .011 | .014 | .008 | .004 |   |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-03-03

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:1.151A P:27.62W PF:1.000 Freq:0Hz Lamp Flux:2164.62x1 lm |               |                  |      |      |                    |                |      |                  |      |      |      |
| NAME: LLS-LE9435FDXSS1000  |               |                  |      |      | TYPE:              |                |      | WEIGHT:          |      |      |      |
| SPEC.:LLS-LE9435FDXSS1000-F30WW8X-DC                                     |               |                  |      |      | DIM.: 1000*94*35mm |                |      | SERIAL No.:      |      |      |      |
| MFR.: COLORS   |               |                  |      |      | SUR.:1000*94       |                |      | 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  | 16.4          | 17.9             | 16.7 | 18.1 | 18.4               | 17.0           | 18.5 | 17.3             | 18.7 | 18.9 |      |
|  | 3H            | 17.6             | 19.0 | 17.9 | 19.2               | 19.5           | 18.4 | 19.8             | 18.7 | 20.0 | 20.3 |
|  | 4H            | 17.9             | 19.2 | 18.3 | 19.5               | 19.8           | 18.9 | 20.2             | 19.3 | 20.5 | 20.8 |
|  | 6H            | 18.1             | 19.3 | 18.4 | 19.6               | 19.9           | 19.3 | 20.5             | 19.6 | 20.8 | 21.1 |
|  | 8H            | 18.1             | 19.2 | 18.4 | 19.5               | 19.9           | 19.4 | 20.6             | 19.7 | 20.9 | 21.2 |
|  | 12H           | 18.0             | 19.2 | 18.4 | 19.5               | 19.8           | 19.4 | 20.5             | 19.8 | 20.9 | 21.2 |
| 4H   | 2H            | 17.0             | 18.3 | 17.4 | 18.6               | 18.9           | 17.5 | 18.8             | 17.8 | 19.0 | 19.3 |
|  | 3H            | 18.4             | 19.5 | 18.7 | 19.8               | 20.1           | 19.1 | 20.2             | 19.4 | 20.5 | 20.8 |
|  | 4H            | 18.8             | 19.9 | 19.2 | 20.2               | 20.5           | 19.7 | 20.7             | 20.1 | 21.1 | 21.4 |
|  | 6H            | 19.0             | 19.9 | 19.4 | 20.3               | 20.7           | 20.1 | 21.1             | 20.6 | 21.4 | 21.8 |
|  | 8H            | 19.0             | 19.9 | 19.5 | 20.3               | 20.7           | 20.3 | 21.1             | 20.7 | 21.5 | 21.9 |
|  | 12H           | 19.0             | 19.8 | 19.5 | 20.2               | 20.6           | 20.3 | 21.1             | 20.8 | 21.5 | 22.0 |
| 8H   | 4H            | 19.0             | 19.9 | 19.5 | 20.3               | 20.7           | 19.8 | 20.7             | 20.3 | 21.1 | 21.5 |
|  | 6H            | 19.3             | 20.0 | 19.8 | 20.5               | 20.9           | 20.4 | 21.1             | 20.8 | 21.5 | 22.0 |
|  | 8H            | 19.4             | 20.0 | 19.9 | 20.5               | 20.9           | 20.6 | 21.2             | 21.0 | 21.6 | 22.1 |
|  | 12H           | 19.4             | 19.9 | 19.9 | 20.4               | 20.9           | 20.7 | 21.2             | 21.2 | 21.7 | 22.2 |
| 12H  | 4H            | 19.0             | 19.8 | 19.5 | 20.2               | 20.6           | 19.8 | 20.6             | 20.3 | 21.0 | 21.4 |
|  | 6H            | 19.4             | 20.0 | 19.8 | 20.4               | 20.9           | 20.4 | 21.0             | 20.9 | 21.5 | 21.9 |
|  | 8H            | 19.4             | 20.0 | 19.9 | 20.4               | 20.9           | 20.6 | 21.1             | 21.1 | 21.6 | 22.1 |
| Variations with the observer position at spacings:                       |               |                  |      |      |                    |                |      |                  |      |      |      |
| S = 1.0H   | + 0.2 / - 0.3 |                  |      |      | + 0.2 / - 0.2      |                |      |                  |      |      |      |
| 1.5H   | + 0.2 / - 0.4 |                  |      |      | + 0.1 / - 0.3      |                |      |                  |      |      |      |
| 2.0H   | + 0.3 / - 0.4 |                  |      |      | + 0.3 / - 0.3      |                |      |                  |      |      |      |

CIE Pub.117, 2165 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.7)

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-03-03

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:1.151A P:27.62W PF:1.000 Freq:0Hz Lamp Flux:2164.62x1 lm |                    |                  |
| NAME: LLS-LE9435FDXSS1000  | TYPE:              | WEIGHT:          |
| SPEC.:LLS-LE9435FDXSS1000-F30WW8X-DC                                     | DIM.: 1000*94*35mm | SERIAL No.:      |
| MFR.: COLORS   | SUR.:1000*94       | Shielding Angle: |

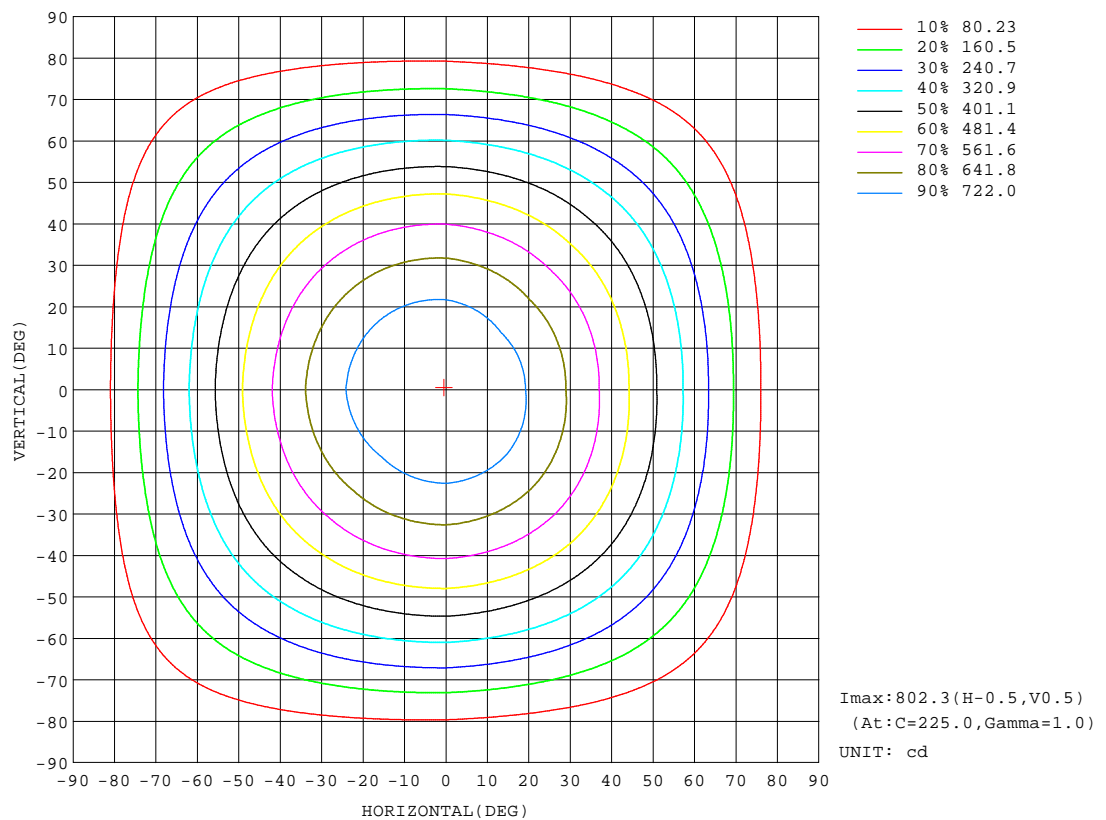
| REFLECTANCE                      |   |     |           |     |     |     |     |               |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 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                         | 58  | 47  | 40        | 57  | 46  | 40  | 56  | 46            | 40  | 33     |
| 0.80                             | 68  | 57  | 50        | 67  | 56  | 49  | 65  | 55            | 49  | 42     |
| 1.00                             | 77  | 66  | 59        | 75  | 65  | 58  | 73  | 66            | 58  | 51     |
| 1.25                             | 84  | 73  | 66        | 82  | 73  | 66  | 79  | 71            | 65  | 58     |
| 1.50                             | 89  | 79  | 72        | 87  | 78  | 72  | 84  | 76            | 70  | 63     |
| 2.00                             | 95  | 87  | 81        | 94  | 86  | 80  | 90  | 83            | 78  | 70     |
| 2.50                             | 99  | 92  | 86        | 97  | 90  | 85  | 93  | 87            | 83  | 74     |
| 3.00                             | 103   | 96  | 90        | 100 | 94  | 89  | 96  | 91            | 87  | 78     |
| 4.00                             | 106   | 101 | 96        | 104 | 99  | 95  | 100 | 96            | 92  | 83     |
| 5.00                             | 109   | 104 | 100       | 106 | 102 | 99  | 102 | 98            | 95  | 86     |
| 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:2021-03-03

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:1.151A P:27.62W PF:1.000 Freq:0Hz Lamp Flux:2164.62x1 lm |                    |                  |
| NAME: LLS-LE9435FDXSS1000  | TYPE:              | WEIGHT:          |
| SPEC.:LLS-LE9435FDXSS1000-F30WW8X-DC                                     | DIM.: 1000*94*35mm | SERIAL No.:      |
| MFR.: COLORS   | SUR.:1000*94       | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-03-03

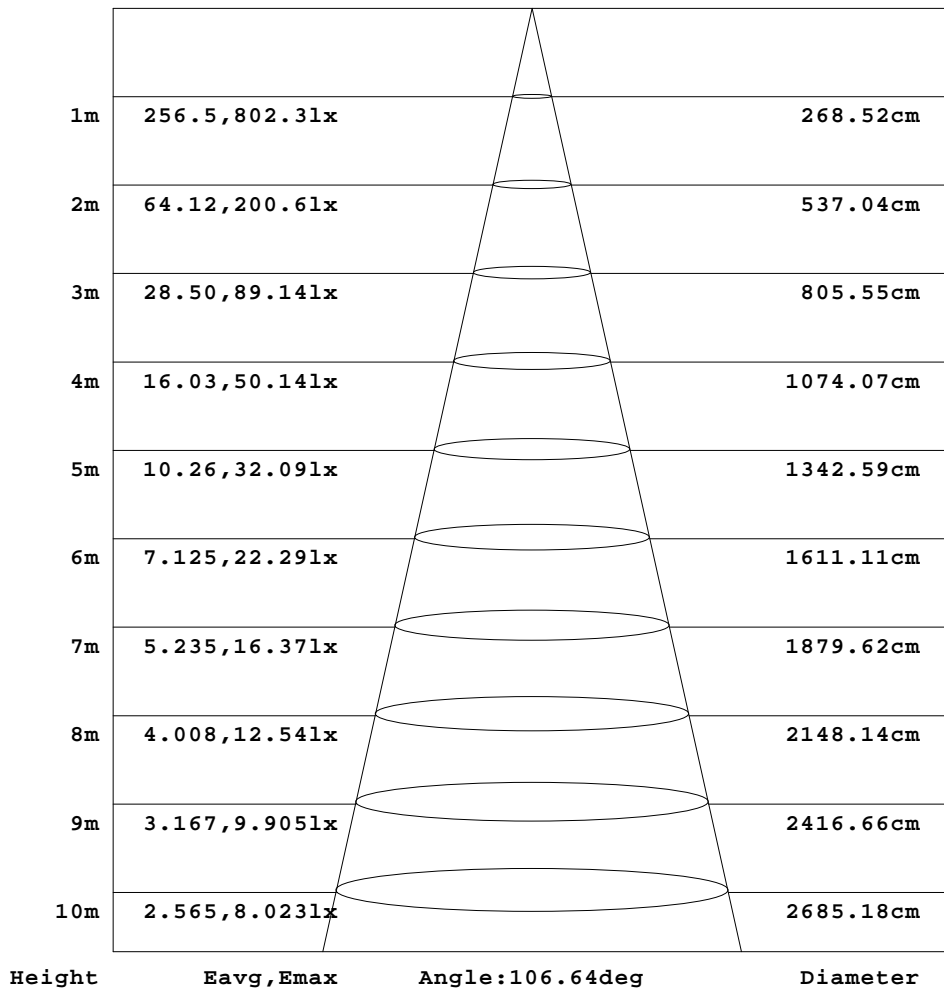
Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:10.950m [K=1.0000]  
Remarks:



### AAI Figure

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:24.00V I:1.151A P:27.62W PF:1.000 Freq:0Hz Lamp Flux:2164.62x1 lm |                    |                  |
| NAME: LLS-LE9435FDXSS1000  | TYPE:              | WEIGHT:          |
| SPEC.:LLS-LE9435FDXSS1000-F30WW8X-DC                                     | DIM.: 1000*94*35mm | SERIAL No.:      |
| MFR.: COLORS   | SUR.:1000*94       | Shielding Angle: |

Flux out:1527 lm



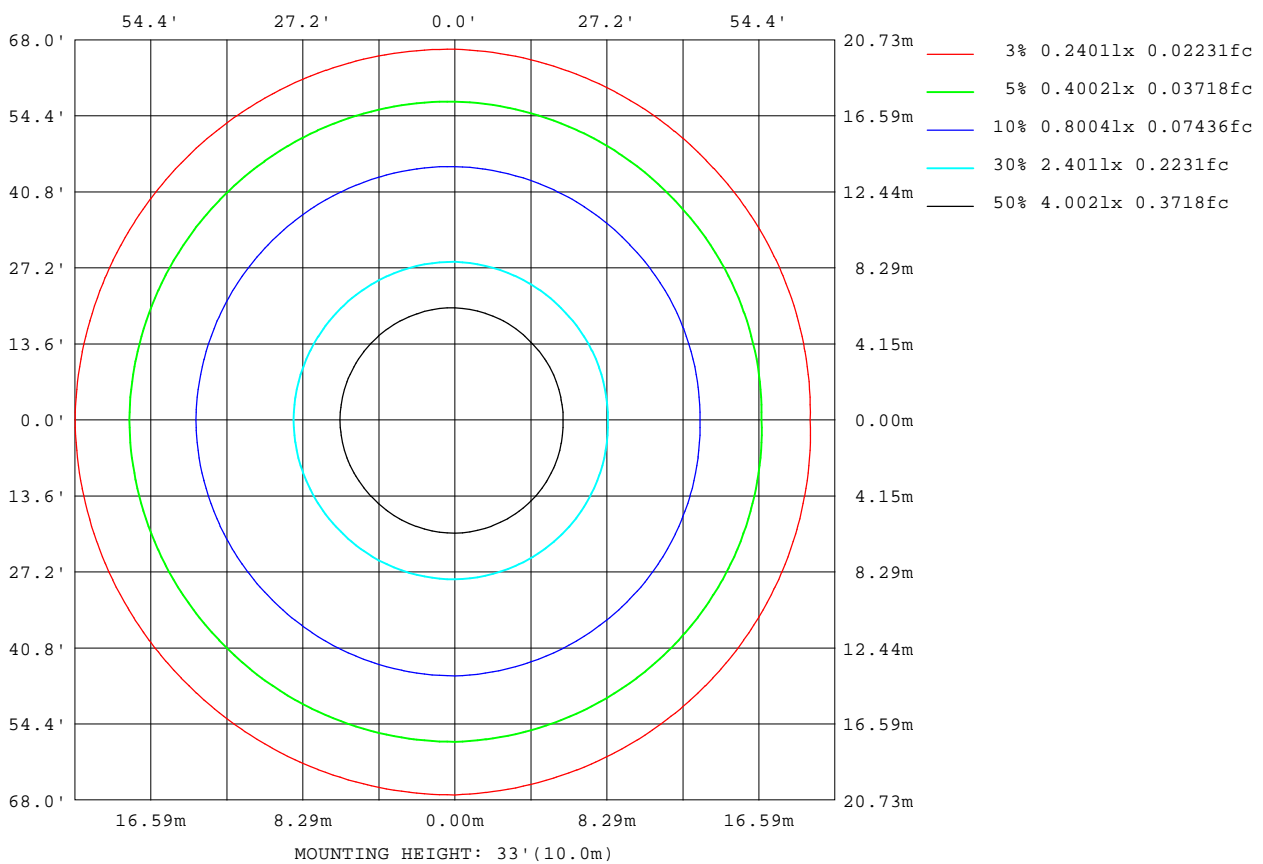
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: JYH  
 Test Date: 2021-03-03

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:1.151A P:27.62W PF:1.000 Freq:0Hz Lamp Flux:2164.62x1 lm |                    |                  |
| NAME: LLS-LE9435FDXSS1000  | TYPE:              | WEIGHT:          |
| SPEC.:LLS-LE9435FDXSS1000-F30WW8X-DC                                     | DIM.: 1000*94*35mm | SERIAL No.:      |
| MFR.: COLORS   | SUR.:1000*94       | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:JYH  
 Test Date:2021-03-03

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:

### LED Avg.L Report

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:24.00V I:1.151A P:27.62W PF:1.000 Freq:0Hz Lamp Flux:2164.62x1 lm |                    |                  |
| NAME: LLS-LE9435FDXSS1000  | TYPE:              | WEIGHT:          |
| SPEC.:LLS-LE9435FDXSS1000-F30WW8X-DC                                     | DIM.: 1000*94*35mm | SERIAL No.:      |
| MFR.: COLORS   | SUR.:1000*94       | Shielding Angle: |

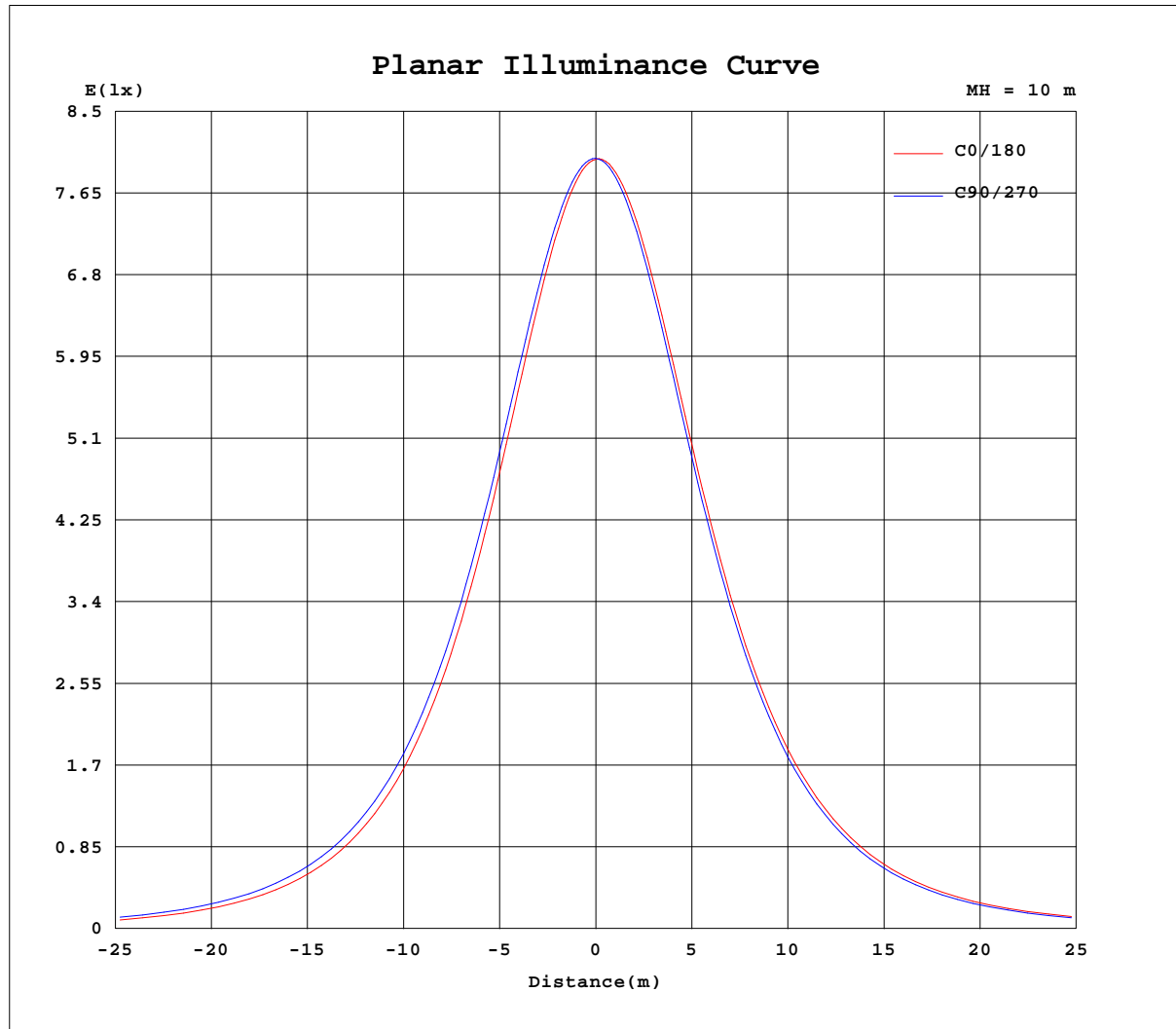
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 6302  |
| L_0~180(75)av  | 5004  |
| L_0~180(85)av  | 2750  |
| L_90~270(65)av | 6633  |
| L_90~270(75)av | 5476  |
| L_90~270(85)av | 3303  |
| L_45(65)av     | 6415  |
| L_45(75)av     | 5181  |
| L_45(85)av     | 2879  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-03-03

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: 2021-03-03

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                    |                  |
|--|--------------------|------------------|
| Test:U:24.00V I:1.151A P:27.62W PF:1.000 Freq:0Hz Lamp Flux:2164.62x1 lm |                    |                  |
| NAME: LLS-LE9435FDXSS1000  | TYPE:              | WEIGHT:          |
| SPEC.:LLS-LE9435FDXSS1000-F30WW8X-DC                                     | DIM.: 1000*94*35mm | SERIAL No.:      |
| MFR.: COLORS   | SUR.:1000*94       | Shielding Angle: |

Table--1

UNIT: cd

| C(DEC)<br>g (DEC) | 0    | 45   | 90   | 135  | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0                 | 800  | 802  | 801  | 791  | 800  | 802  | 801  | 791  |  |  |  |  |  |  |  |  |  |  |
| 5                 | 792  | 797  | 798  | 790  | 800  | 799  | 796  | 784  |  |  |  |  |  |  |  |  |  |  |
| 10                | 775  | 783  | 786  | 780  | 792  | 788  | 783  | 769  |  |  |  |  |  |  |  |  |  |  |
| 15                | 749  | 760  | 766  | 762  | 774  | 769  | 761  | 746  |  |  |  |  |  |  |  |  |  |  |
| 20                | 716  | 731  | 739  | 737  | 749  | 741  | 733  | 715  |  |  |  |  |  |  |  |  |  |  |
| 25                | 677  | 694  | 705  | 704  | 716  | 707  | 698  | 678  |  |  |  |  |  |  |  |  |  |  |
| 30                | 632  | 652  | 665  | 665  | 676  | 666  | 657  | 635  |  |  |  |  |  |  |  |  |  |  |
| 35                | 582  | 604  | 620  | 620  | 631  | 620  | 611  | 588  |  |  |  |  |  |  |  |  |  |  |
| 40                | 529  | 552  | 570  | 571  | 582  | 570  | 560  | 536  |  |  |  |  |  |  |  |  |  |  |
| 45                | 472  | 496  | 516  | 517  | 528  | 515  | 506  | 480  |  |  |  |  |  |  |  |  |  |  |
| 50                | 412  | 437  | 458  | 460  | 471  | 458  | 448  | 422  |  |  |  |  |  |  |  |  |  |  |
| 55                | 349  | 372  | 397  | 399  | 410  | 397  | 385  | 361  |  |  |  |  |  |  |  |  |  |  |
| 60                | 285  | 309  | 334  | 336  | 346  | 334  | 322  | 298  |  |  |  |  |  |  |  |  |  |  |
| 65                | 219  | 243  | 269  | 272  | 282  | 270  | 258  | 234  |  |  |  |  |  |  |  |  |  |  |
| 70                | 153  | 178  | 202  | 207  | 217  | 204  | 193  | 169  |  |  |  |  |  |  |  |  |  |  |
| 75                | 91.5 | 114  | 137  | 143  | 152  | 139  | 130  | 107  |  |  |  |  |  |  |  |  |  |  |
| 80                | 39.6 | 57.5 | 76.7 | 83.5 | 91.3 | 79.8 | 71.5 | 53.0 |  |  |  |  |  |  |  |  |  |  |
| 85                | 5.51 | 16.1 | 28.5 | 33.5 | 39.5 | 31.1 | 25.6 | 13.6 |  |  |  |  |  |  |  |  |  |  |
| 90                | 0.99 | 1.44 | 1.99 | 2.80 | 4.82 | 1.35 | 0.36 | 0.43 |  |  |  |  |  |  |  |  |  |  |
| 95                | 1.26 | 1.48 | 1.60 | 1.31 | 0.46 | 0.53 | 0.68 | 0.75 |  |  |  |  |  |  |  |  |  |  |
| 100               | 1.77 | 1.71 | 1.54 | 1.44 | 0.89 | 0.93 | 1.12 | 1.25 |  |  |  |  |  |  |  |  |  |  |
| 105               | 2.41 | 2.09 | 1.84 | 1.70 | 1.44 | 1.35 | 1.73 | 1.71 |  |  |  |  |  |  |  |  |  |  |
| 110               | 2.98 | 2.63 | 2.47 | 2.06 | 1.99 | 1.80 | 2.47 | 2.20 |  |  |  |  |  |  |  |  |  |  |
| 115               | 3.52 | 3.15 | 3.15 | 2.51 | 2.56 | 2.30 | 3.12 | 2.72 |  |  |  |  |  |  |  |  |  |  |
| 120               | 4.02 | 3.64 | 3.74 | 2.91 | 3.07 | 2.74 | 3.67 | 3.27 |  |  |  |  |  |  |  |  |  |  |
| 125               | 4.51 | 4.14 | 4.26 | 3.32 | 3.56 | 3.27 | 4.12 | 3.72 |  |  |  |  |  |  |  |  |  |  |
| 130               | 5.01 | 4.63 | 4.78 | 3.77 | 4.04 | 3.76 | 4.53 | 4.13 |  |  |  |  |  |  |  |  |  |  |
| 135               | 5.42 | 5.09 | 5.20 | 4.23 | 4.52 | 4.32 | 4.90 | 4.57 |  |  |  |  |  |  |  |  |  |  |
| 140               | 5.82 | 5.48 | 5.54 | 4.74 | 4.97 | 4.93 | 5.20 | 5.01 |  |  |  |  |  |  |  |  |  |  |
| 145               | 6.18 | 5.83 | 5.78 | 5.28 | 5.38 | 5.55 | 5.48 | 5.43 |  |  |  |  |  |  |  |  |  |  |
| 150               | 6.57 | 6.17 | 6.01 | 5.87 | 5.78 | 6.26 | 5.83 | 5.85 |  |  |  |  |  |  |  |  |  |  |
| 155               | 7.11 | 6.54 | 6.38 | 6.53 | 6.31 | 6.97 | 6.32 | 6.21 |  |  |  |  |  |  |  |  |  |  |
| 160               | 7.65 | 6.89 | 6.81 | 7.08 | 6.87 | 7.53 | 6.77 | 6.57 |  |  |  |  |  |  |  |  |  |  |
| 165               | 8.09 | 7.22 | 7.23 | 7.46 | 7.42 | 7.96 | 7.24 | 6.99 |  |  |  |  |  |  |  |  |  |  |
| 170               | 8.42 | 7.68 | 7.59 | 7.71 | 7.83 | 8.21 | 7.65 | 7.44 |  |  |  |  |  |  |  |  |  |  |
| 175               | 8.77 | 8.16 | 8.01 | 8.00 | 8.24 | 8.42 | 8.06 | 7.86 |  |  |  |  |  |  |  |  |  |  |
| 180               | 9.08 | 8.64 | 8.33 | 8.32 | 9.10 | 8.74 | 8.36 | 8.32 |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:JYH  
Test Date:2021-03-03

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: