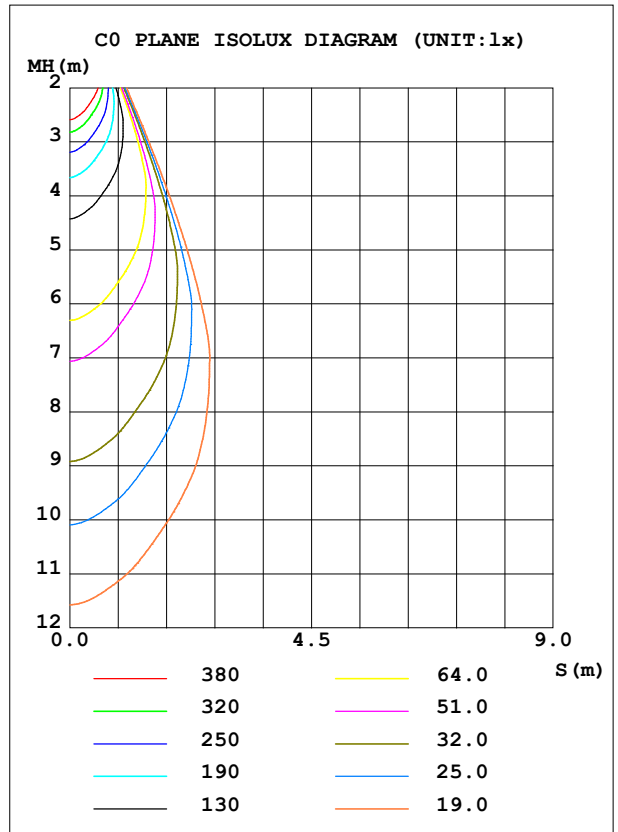
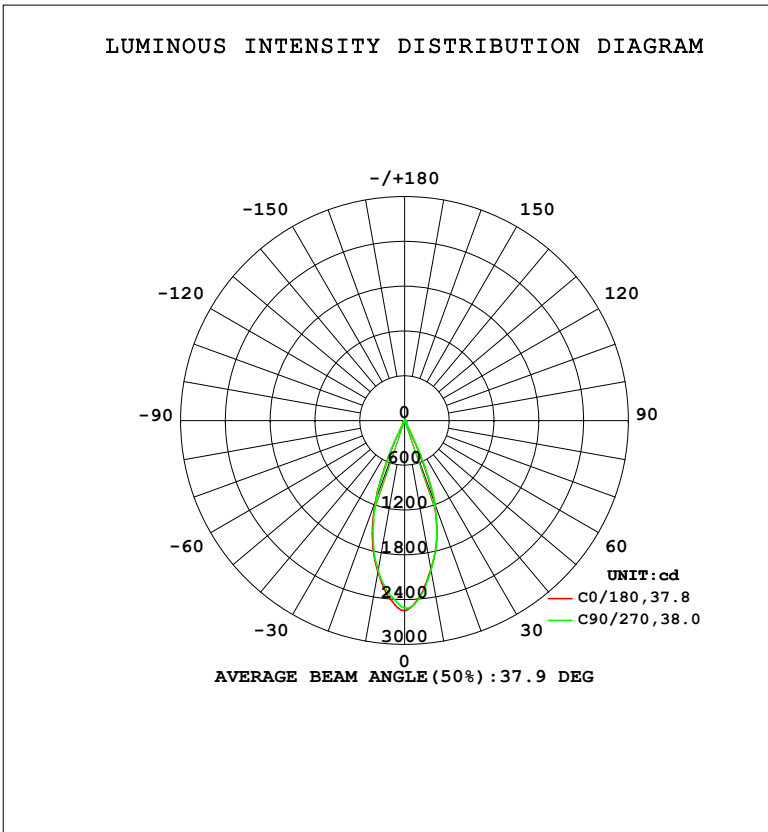


LUMINAIRE PHOTOMETRIC TEST REPORT

|   |       |                  |
|---|-------|------------------|
| Test:U:119.86V I:0.1174A P:13.882W PF:0.9862 Freq:59.98Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:941.658x1 lm    |       |                  |
| NAME: AD-3-S15W-FC-5CCT-WH                                | TYPE: | WEIGHT:          |
| SPEC.: 3000K  | DIM.: | SERIAL No.:      |
| MFR.: Light by Lotus                                      | SUR.: | Shielding Angle: |

| DATA OF LAMP      |                      | PHOTOMETRIC DATA |        |                          |           |
|-------------------|----------------------|------------------|--------|--------------------------|-----------|
| MODEL             | AD-3-S15W-FC-5CCT-WH | Imax (cd)        | 2546   | S/MH (C0/180)            | 0.59      |
| NOMINAL POWER (W) | 15                   | LOR (%)          | 100.0  | S/MH (C90/270)           | 0.58      |
| RATED VOLTAGE (V) | 120                  | TOTAL FLUX (lm)  | 941.66 | $\eta$ UP, DN (C0-180)   | 0.0, 51.1 |
| NOMINAL FLUX (lm) | 941.658              | CIE CLASS        | DIRECT | $\eta$ UP, DN (C180-360) | 0.0, 48.9 |
| LAMPS INSIDE      | 1                    | $\eta$ up (%)    | 0.0    | CIBSE SHR NOM            | 0.50      |
| TEST VOLTAGE (V)  | 120                  | $\eta$ down (%)  | 100.0  | CIBSE SHR MAX            | 0.60      |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.3 °C  
 Operators:  
 Test Date: 2024-09-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.087m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

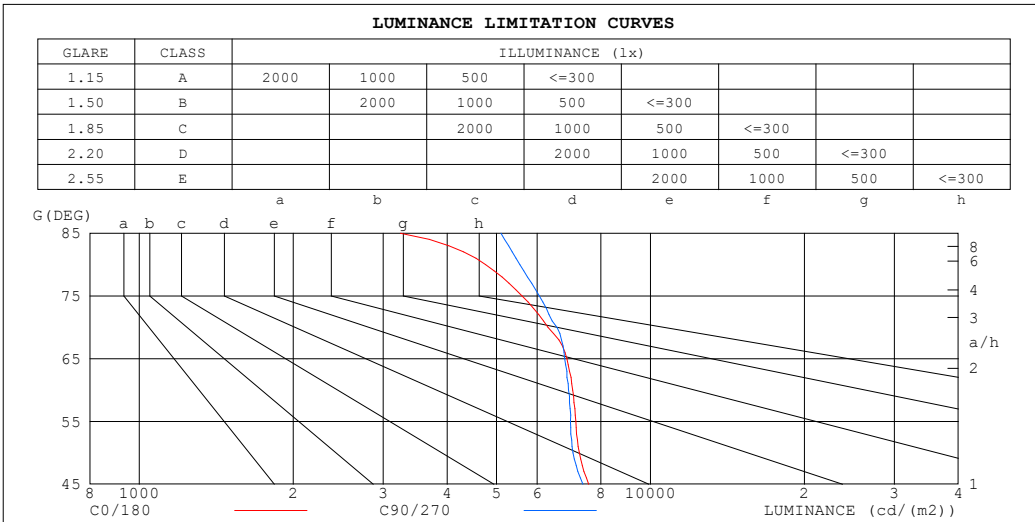
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 10       | 2026                  | 2019   | 2039   | 2038   | 2063   | 2060   | 2043   | 2008   | 0- 10    | 214.3       | 214.3        | 22.8,22.8 |
| 20       | 1170                  | 1171   | 1182   | 1173   | 1150   | 1129   | 1126   | 1115   | 10- 20   | 447.5       | 661.8        | 70.3,70.3 |
| 30       | 66.85                 | 64.64  | 70.38  | 66.64  | 54.61  | 55.75  | 55.72  | 54.24  | 20- 30   | 209.3       | 871.1        | 92.5,92.5 |
| 40       | 24.68                 | 24.14  | 24.60  | 25.85  | 25.46  | 25.08  | 24.79  | 23.81  | 30- 40   | 20.73       | 891.8        | 94.7,94.7 |
| 50       | 17.95                 | 17.42  | 17.45  | 18.72  | 19.36  | 19.03  | 18.40  | 17.80  | 40- 50   | 16.25       | 908.0        | 96.4,96.4 |
| 60       | 13.54                 | 13.13  | 13.30  | 14.02  | 14.82  | 14.60  | 13.86  | 13.53  | 50- 60   | 14.36       | 922.4        | 98,98     |
| 70       | 8.290                 | 8.257  | 8.638  | 8.769  | 8.588  | 8.832  | 9.058  | 8.409  | 60- 70   | 11.24       | 933.6        | 99.1,99.1 |
| 80       | 3.179                 | 3.315  | 3.710  | 3.918  | 3.773  | 3.766  | 3.585  | 3.192  | 70- 80   | 6.294       | 939.9        | 99.8,99.8 |
| 90       | 0.0635                | 0.0498 | 0.0669 | 0.1707 | 0.1233 | 0.0665 | 0.0364 | 0.0293 | 80- 90   | 1.718       | 941.7        | 100,100   |
| 100      |                       |        |        |        |        |        |        |        | 90-100   |             |              |           |
| 110      |                       |        |        |        |        |        |        |        | 100-110  |             |              |           |
| 120      |                       |        |        |        |        |        |        |        | 110-120  |             |              |           |
| 130      |                       |        |        |        |        |        |        |        | 120-130  |             |              |           |
| 140      |                       |        |        |        |        |        |        |        | 130-140  |             |              |           |
| 150      |                       |        |        |        |        |        |        |        | 140-150  |             |              |           |
| 160      |                       |        |        |        |        |        |        |        | 150-160  |             |              |           |
| 170      |                       |        |        |        |        |        |        |        | 160-170  |             |              |           |
| 180      |                       |        |        |        |        |        |        |        | 170-180  |             |              |           |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |           |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.3°C  
 Operators:  
 Test Date:2024-09-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.087m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.86V I:0.1174A P:13.882W PF:0.9862 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:941.658x1 lm |       |                  |
| NAME: AD-3-S15W-FC-5CCT-WH  | TYPE: | WEIGHT:          |
| SPEC.: 3000K  | DIM.: | SERIAL No.:      |
| MFR.: Light by Lotus  | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 3241   | 5096    |
| 80                | 4759   | 5555    |
| 75                | 5611   | 6059    |
| 70                | 6301   | 6566    |
| 65                | 6859   | 6793    |
| 60                | 7041   | 6913    |
| 55                | 7147   | 6972    |
| 50                | 7261   | 7057    |
| 45                | 7573   | 7376    |

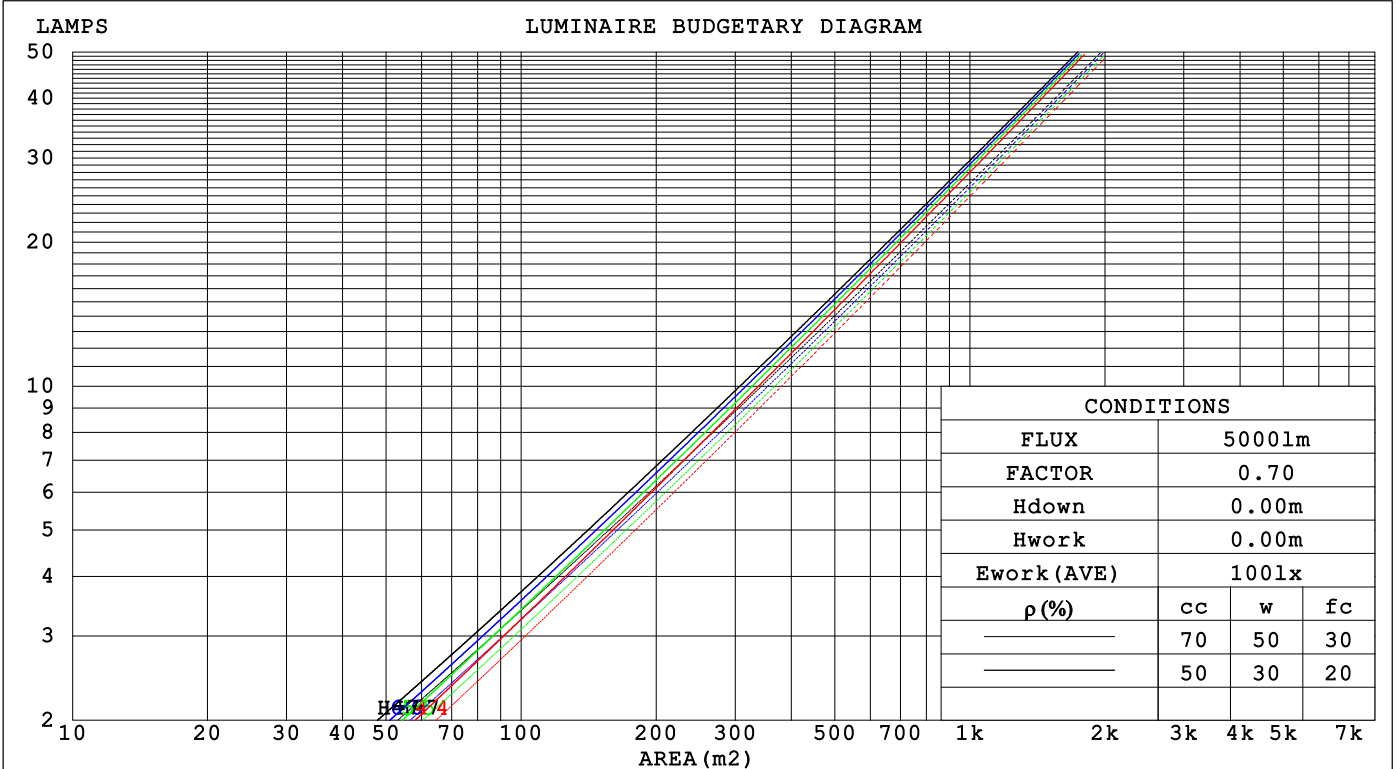
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.3 °C  
 Operators:  
 Test Date: 2024-09-22

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.087m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |       |                  |
|---|-------|------------------|
| Test:U:119.86V I:0.1174A P:13.882W PF:0.9862 Freq:59.98Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:941.658x1 lm    |       |                  |
| NAME: AD-3-S15W-FC-5CCT-WH                                | TYPE: | WEIGHT:          |
| SPEC.: 3000K  | DIM.: | SERIAL No.:      |
| MFR.: Light by Lotus                                      | SUR.: | Shielding Angle: |

| ρcc  | 80%                             |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0    |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ρw   | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| ρfc  | 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 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0  | 1.12                            | 1.10 | 1.08 | 1.10 | 1.08 | 1.06 | 1.06 | 1.04 | 1.03 | 1.02 | 1.01 | .00  | .99  | .98  | .97  | .95  |
| 2.0  | 1.06                            | 1.02 | .99  | 1.04 | 1.01 | .98  | 1.01 | .98  | .96  | .98  | .96  | .94  | .95  | .94  | .92  | .91  |
| 3.0  | 1.00                            | .96  | .93  | .99  | .95  | .92  | .96  | .93  | .91  | .94  | .91  | .89  | .92  | .90  | .88  | .86  |
| 4.0  | .95                             | .91  | .87  | .94  | .90  | .87  | .92  | .89  | .86  | .90  | .87  | .85  | .89  | .86  | .84  | .83  |
| 5.0  | .91                             | .87  | .83  | .90  | .86  | .83  | .89  | .85  | .82  | .87  | .84  | .81  | .86  | .83  | .81  | .79  |
| 6.0  | .87                             | .83  | .79  | .87  | .82  | .79  | .85  | .81  | .78  | .84  | .81  | .78  | .83  | .80  | .77  | .76  |
| 7.0  | .84                             | .79  | .76  | .83  | .79  | .76  | .82  | .78  | .75  | .81  | .78  | .75  | .80  | .77  | .75  | .73  |
| 8.0  | .81                             | .76  | .73  | .80  | .76  | .73  | .79  | .75  | .72  | .78  | .75  | .72  | .78  | .74  | .72  | .71  |
| 9.0  | .78                             | .73  | .70  | .77  | .73  | .70  | .77  | .73  | .70  | .76  | .72  | .69  | .75  | .72  | .69  | .68  |
| 10.0 | .75                             | .71  | .68  | .75  | .70  | .67  | .74  | .70  | .67  | .73  | .70  | .67  | .73  | .69  | .67  | .66  |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.3 °C  
 Operators:  
 Test Date:2024-09-22

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.087m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.86V I:0.1174A P:13.882W PF:0.9862 Freq:59.98Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:941.658x1 lm    |       |                  |
| NAME: AD-3-S15W-FC-5CCT-WH                                | TYPE: | WEIGHT:          |
| SPEC.: 3000K  | DIM.: | SERIAL No.:      |
| MFR.: Light by Lotus                                      | SUR.: | Shielding Angle: |

| $\rho_{CC}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0         |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0         | .157                  | .089 | .028 | .150 | .086 | .027 | .138                            | .079 | .025 | .126 | .073 | .023 | .116 | .067 | .022 |   |
| 2.0         | .146                  | .080 | .025 | .141 | .077 | .024 | .130                            | .072 | .022 | .121 | .068 | .021 | .112 | .063 | .020 |   |
| 3.0         | .136                  | .073 | .022 | .132 | .071 | .021 | .123                            | .067 | .020 | .115 | .063 | .019 | .107 | .059 | .018 |   |
| 4.0         | .128                  | .066 | .020 | .124 | .065 | .019 | .116                            | .062 | .018 | .110 | .059 | .018 | .103 | .056 | .017 |   |
| 5.0         | .120                  | .061 | .018 | .117 | .060 | .018 | .111                            | .058 | .017 | .105 | .055 | .016 | .099 | .053 | .016 |   |
| 6.0         | .114                  | .057 | .016 | .111 | .056 | .016 | .105                            | .054 | .016 | .100 | .052 | .015 | .095 | .050 | .015 |   |
| 7.0         | .108                  | .054 | .015 | .106 | .053 | .015 | .101                            | .051 | .015 | .096 | .049 | .014 | .092 | .048 | .014 |   |
| 8.0         | .103                  | .050 | .014 | .101 | .050 | .014 | .097                            | .048 | .014 | .093 | .047 | .014 | .089 | .046 | .013 |   |
| 9.0         | .099                  | .048 | .013 | .097 | .047 | .013 | .093                            | .046 | .013 | .089 | .045 | .013 | .086 | .044 | .013 |   |
| 10.0        | .094                  | .045 | .013 | .093 | .045 | .012 | .089                            | .044 | .012 | .086 | .043 | .012 | .083 | .042 | .012 |   |

| $\rho_{CC}$ | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-------------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0         | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0         | .170                  | .157 | .146 | .145 | .135 | .126 | .099                                       | .093 | .087 | .057 | .054 | .051 | .018 | .017 | .016 |   |
| 2.0         | .153                  | .133 | .116 | .131 | .114 | .100 | .090                                       | .079 | .070 | .052 | .046 | .041 | .017 | .015 | .013 |   |
| 3.0         | .139                  | .113 | .093 | .119 | .098 | .081 | .082                                       | .068 | .057 | .047 | .040 | .033 | .015 | .013 | .011 |   |
| 4.0         | .127                  | .098 | .076 | .109 | .085 | .066 | .075                                       | .059 | .047 | .043 | .035 | .028 | .014 | .011 | .009 |   |
| 5.0         | .117                  | .086 | .064 | .100 | .075 | .055 | .069                                       | .052 | .039 | .040 | .031 | .023 | .013 | .010 | .008 |   |
| 6.0         | .108                  | .076 | .053 | .093 | .066 | .047 | .064                                       | .046 | .033 | .037 | .027 | .020 | .012 | .009 | .006 |   |
| 7.0         | .101                  | .068 | .046 | .087 | .059 | .040 | .060                                       | .042 | .028 | .035 | .025 | .017 | .011 | .008 | .006 |   |
| 8.0         | .095                  | .062 | .039 | .082 | .054 | .034 | .057                                       | .038 | .024 | .033 | .022 | .014 | .011 | .007 | .005 |   |
| 9.0         | .089                  | .056 | .034 | .077 | .049 | .030 | .053                                       | .034 | .021 | .031 | .020 | .013 | .010 | .007 | .004 |   |
| 10.0        | .085                  | .052 | .030 | .073 | .045 | .026 | .051                                       | .032 | .019 | .030 | .019 | .011 | .010 | .006 | .004 |   |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.3°C  
 Operators:  
 Test Date:2024-09-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.087m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.86V I:0.1174A P:13.882W PF:0.9862 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:941.658x1 lm |       |                  |
| NAME: AD-3-S15W-FC-5CCT-WH  | TYPE: | WEIGHT:          |
| SPEC.: 3000K  | DIM.: | SERIAL No.:      |
| MFR.: Light by Lotus  | 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   | 11.7             | 12.4 | 11.9 | 12.6 | 12.7 | 11.6           | 12.3 | 11.8 | 12.5 | 12.7 |
| 3H              | 13.2             | 13.9 | 13.5 | 14.1 | 14.3 | 13.2           | 13.9 | 13.5 | 14.1 | 14.3 |
| 4H              | 13.8             | 14.5 | 14.1 | 14.7 | 14.9 | 13.9           | 14.5 | 14.1 | 14.7 | 15.0 |
| 6H              | 14.2             | 14.8 | 14.5 | 15.1 | 15.3 | 14.3           | 15.0 | 14.6 | 15.2 | 15.5 |
| 8H              | 14.3             | 14.9 | 14.6 | 15.1 | 15.4 | 14.5           | 15.1 | 14.8 | 15.4 | 15.6 |
| 12H             | 14.3             | 14.9 | 14.6 | 15.2 | 15.4 | 14.6           | 15.2 | 14.9 | 15.5 | 15.7 |
| 4H 2H           | 12.3             | 13.0 | 12.6 | 13.2 | 13.4 | 12.3           | 12.9 | 12.5 | 13.2 | 13.4 |
| 3H              | 14.1             | 14.6 | 14.4 | 14.9 | 15.2 | 14.1           | 14.7 | 14.4 | 14.9 | 15.2 |
| 4H              | 14.7             | 15.3 | 15.1 | 15.6 | 15.9 | 14.8           | 15.3 | 15.2 | 15.6 | 15.9 |
| 6H              | 15.2             | 15.7 | 15.6 | 16.0 | 16.3 | 15.4           | 15.9 | 15.8 | 16.2 | 16.5 |
| 8H              | 15.3             | 15.8 | 15.7 | 16.1 | 16.5 | 15.6           | 16.0 | 16.0 | 16.4 | 16.7 |
| 12H             | 15.4             | 15.8 | 15.8 | 16.2 | 16.6 | 15.7           | 16.1 | 16.1 | 16.5 | 16.9 |
| 8H 4H           | 15.0             | 15.4 | 15.4 | 15.8 | 16.1 | 15.0           | 15.5 | 15.4 | 15.8 | 16.2 |
| 6H              | 15.5             | 15.9 | 16.0 | 16.3 | 16.7 | 15.7           | 16.1 | 16.2 | 16.5 | 16.9 |
| 8H              | 15.7             | 16.1 | 16.2 | 16.5 | 16.9 | 16.0           | 16.3 | 16.5 | 16.8 | 17.2 |
| 12H             | 15.8             | 16.1 | 16.3 | 16.6 | 17.0 | 16.2           | 16.5 | 16.7 | 16.9 | 17.4 |
| 12H 4H          | 15.0             | 15.4 | 15.4 | 15.7 | 16.1 | 15.0           | 15.4 | 15.4 | 15.8 | 16.2 |
| 6H              | 15.6             | 15.9 | 16.0 | 16.3 | 16.8 | 15.8           | 16.1 | 16.2 | 16.5 | 16.9 |
| 8H              | 15.8             | 16.1 | 16.3 | 16.5 | 17.0 | 16.1           | 16.3 | 16.5 | 16.8 | 17.3 |

|   |               |               |
|---|---------------|---------------|
| Variations with the observer position at spacings(CIE Pub.117): |               |               |
| S = 1.0H  | + 0.2 / - 0.2 | + 0.1 / - 0.2 |
| 1.5H  | + 0.1 / - 0.2 | + 0.1 / - 0.2 |
| 2.0H  | + 0.2 / - 0.3 | + 0.1 / - 0.2 |

CIE Pub.117, 941.7 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.2)  
 Area: 0.0038465 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.3°C  
 Operators:  
 Test Date:2024-09-22

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.087m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.86V I:0.1174A P:13.882W PF:0.9862 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:941.658x1 lm |       |                  |
| NAME: AD-3-S15W-FC-5CCT-WH  | TYPE: | WEIGHT:          |
| SPEC.: 3000K  | DIM.: | SERIAL No.:      |
| MFR.: Light by Lotus  | SUR.: | Shielding Angle: |

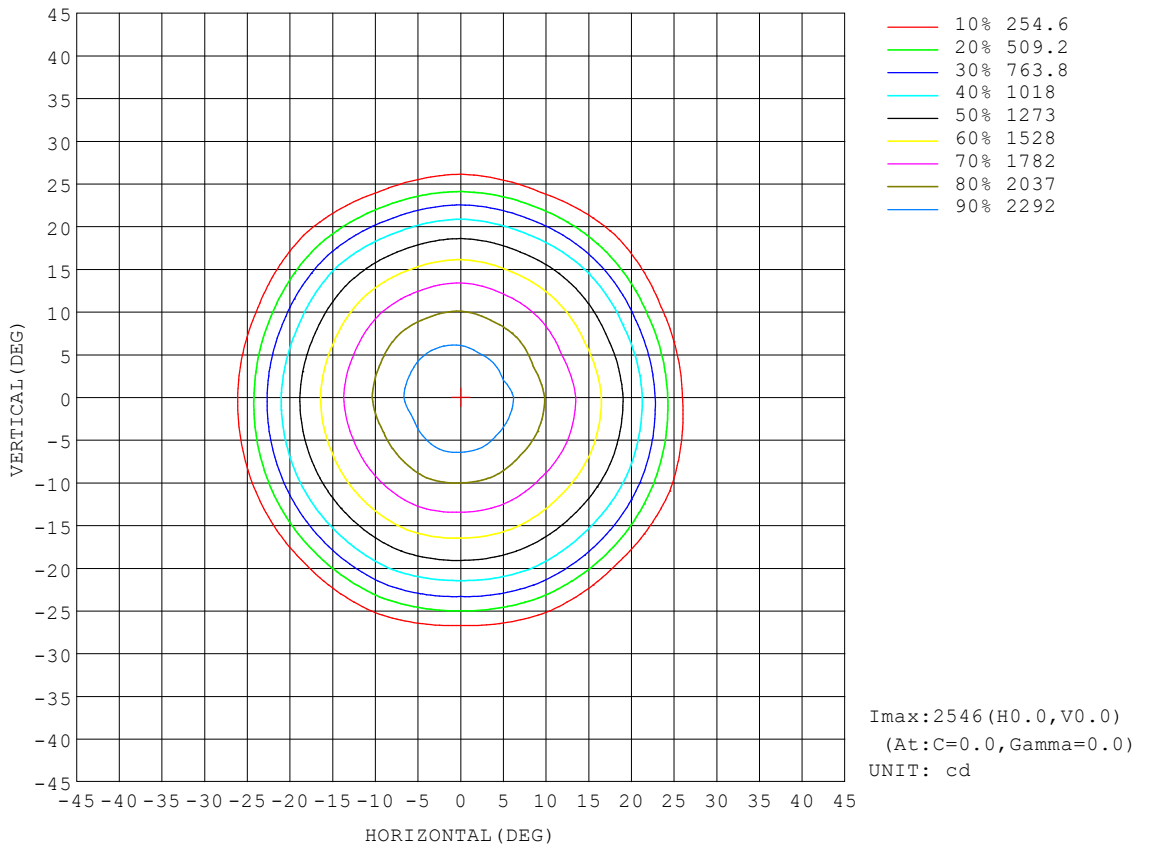
| REFLECTANCE                      |  |     |           |     |     |     |               |     |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |               |     |     |        |
| $k = 0.60$                       | 88   | 82  | 78        | 88  | 82  | 78  | 87            | 82  | 78  | 75     |
| 0.80                             | 95   | 90  | 86        | 95  | 89  | 86  | 94            | 89  | 86  | 82     |
| 1.00                             | 100  | 94  | 91        | 99  | 94  | 90  | 97            | 93  | 90  | 86     |
| 1.25                             | 103  | 98  | 95        | 102 | 98  | 94  | 100           | 97  | 94  | 90     |
| 1.50                             | 106  | 101 | 98        | 105 | 101 | 98  | 103           | 99  | 96  | 92     |
| 2.00                             | 109  | 104 | 101       | 107 | 103 | 100 | 104           | 101 | 99  | 94     |
| 2.50                             | 110  | 106 | 103       | 109 | 105 | 103 | 106           | 103 | 101 | 95     |
| 3.00                             | 112  | 108 | 106       | 110 | 107 | 105 | 107           | 104 | 102 | 96     |
| 4.00                             | 114  | 111 | 109       | 112 | 109 | 108 | 108           | 106 | 105 | 98     |
| 5.00                             | 115  | 113 | 111       | 113 | 111 | 109 | 109           | 108 | 106 | 99     |
| 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: 24.3 °C  
 Operators:  
 Test Date: 2024-09-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.087m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.86V I:0.1174A P:13.882W PF:0.9862 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:941.658x1 lm |       |                  |
| NAME: AD-3-S15W-FC-5CCT-WH  | TYPE: | WEIGHT:          |
| SPEC.: 3000K  | DIM.: | SERIAL No.:      |
| MFR.: Light by Lotus  | SUR.: | Shielding Angle: |



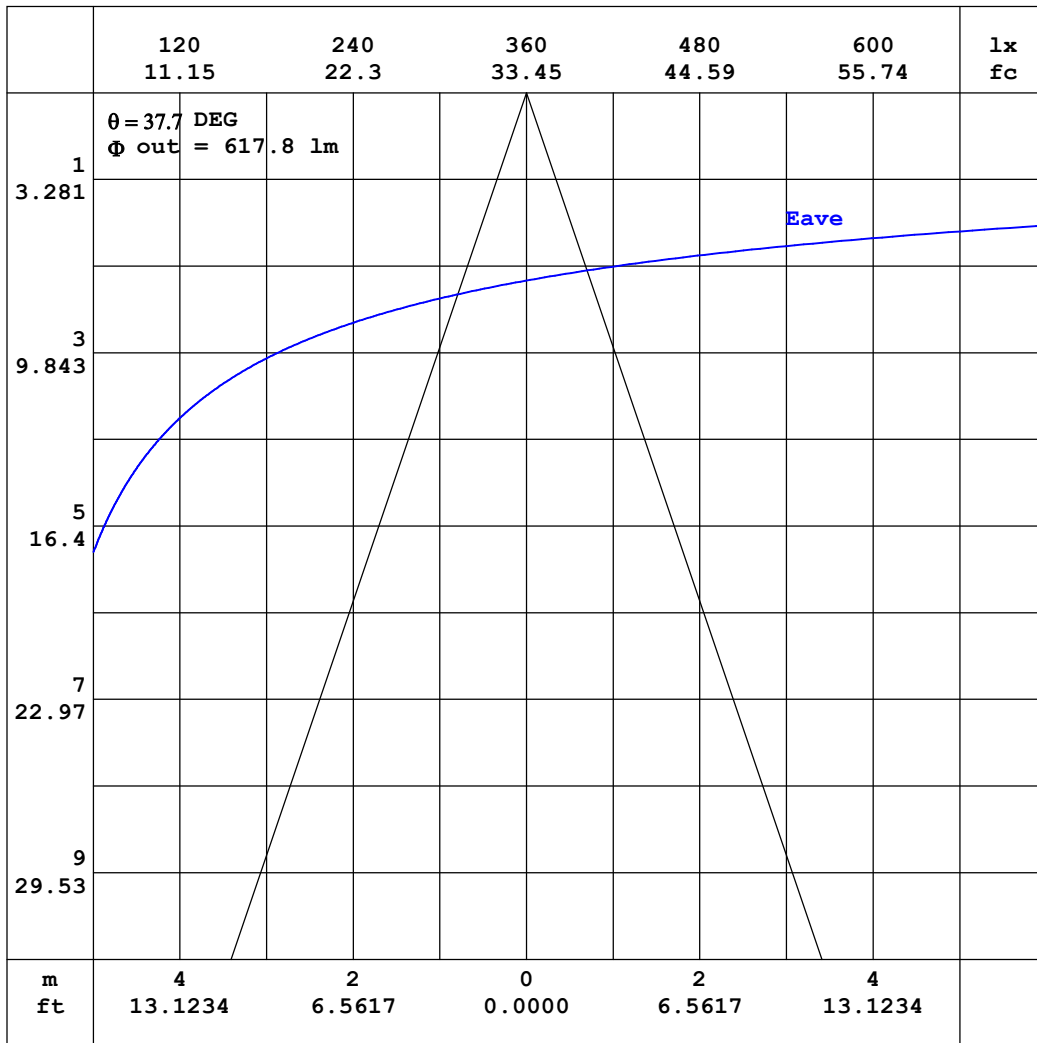
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.3°C  
 Operators:  
 Test Date:2024-09-22

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.087m [K=1.0000]  
 Remarks:



**AAI CURVES**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.86V I:0.1174A P:13.882W PF:0.9862 Freq:59.98Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:941.658x1 lm    |       |                  |
| NAME: AD-3-S15W-FC-5CCT-WH                                | TYPE: | WEIGHT:          |
| SPEC.: 3000K  | DIM.: | SERIAL No.:      |
| MFR.: Light by Lotus                                      | SUR.: | Shielding Angle: |



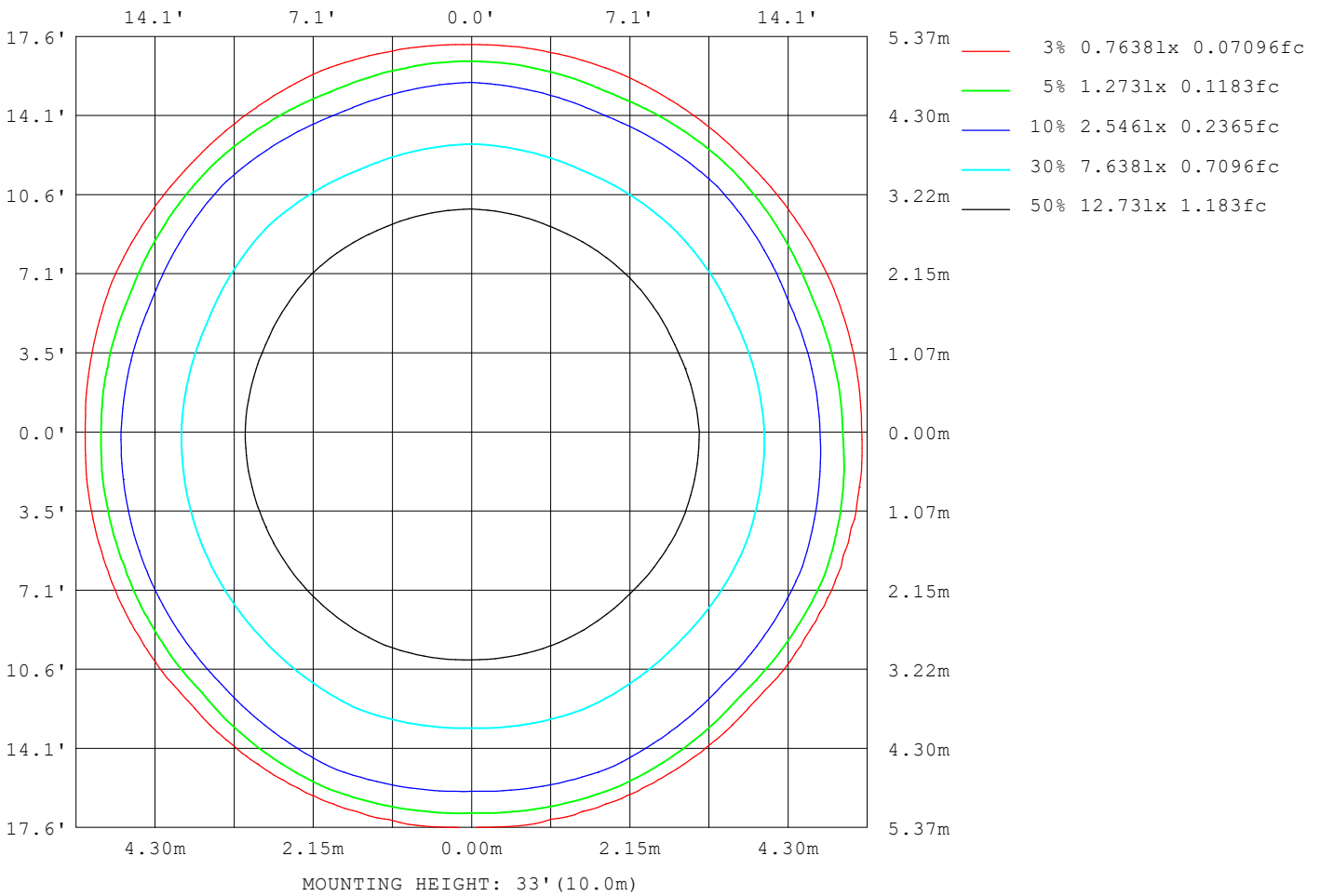
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.3 °C  
 Operators:  
 Test Date: 2024-09-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.087m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.86V I:0.1174A P:13.882W PF:0.9862 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:941.658x1 lm |       |                  |
| NAME: AD-3-S15W-FC-5CCT-WH  | TYPE: | WEIGHT:          |
| SPEC.: 3000K  | DIM.: | SERIAL No.:      |
| MFR.: Light by Lotus  | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.3°C  
 Operators:  
 Test Date:2024-09-22

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.087m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.86V I:0.1174A P:13.882W PF:0.9862 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:941.658x1 lm |       |                  |
| NAME: AD-3-S15W-FC-5CCT-WH  | TYPE: | WEIGHT:          |
| SPEC.: 3000K  | DIM.: | SERIAL No.:      |
| MFR.: Light by Lotus  | SUR.: | Shielding Angle: |

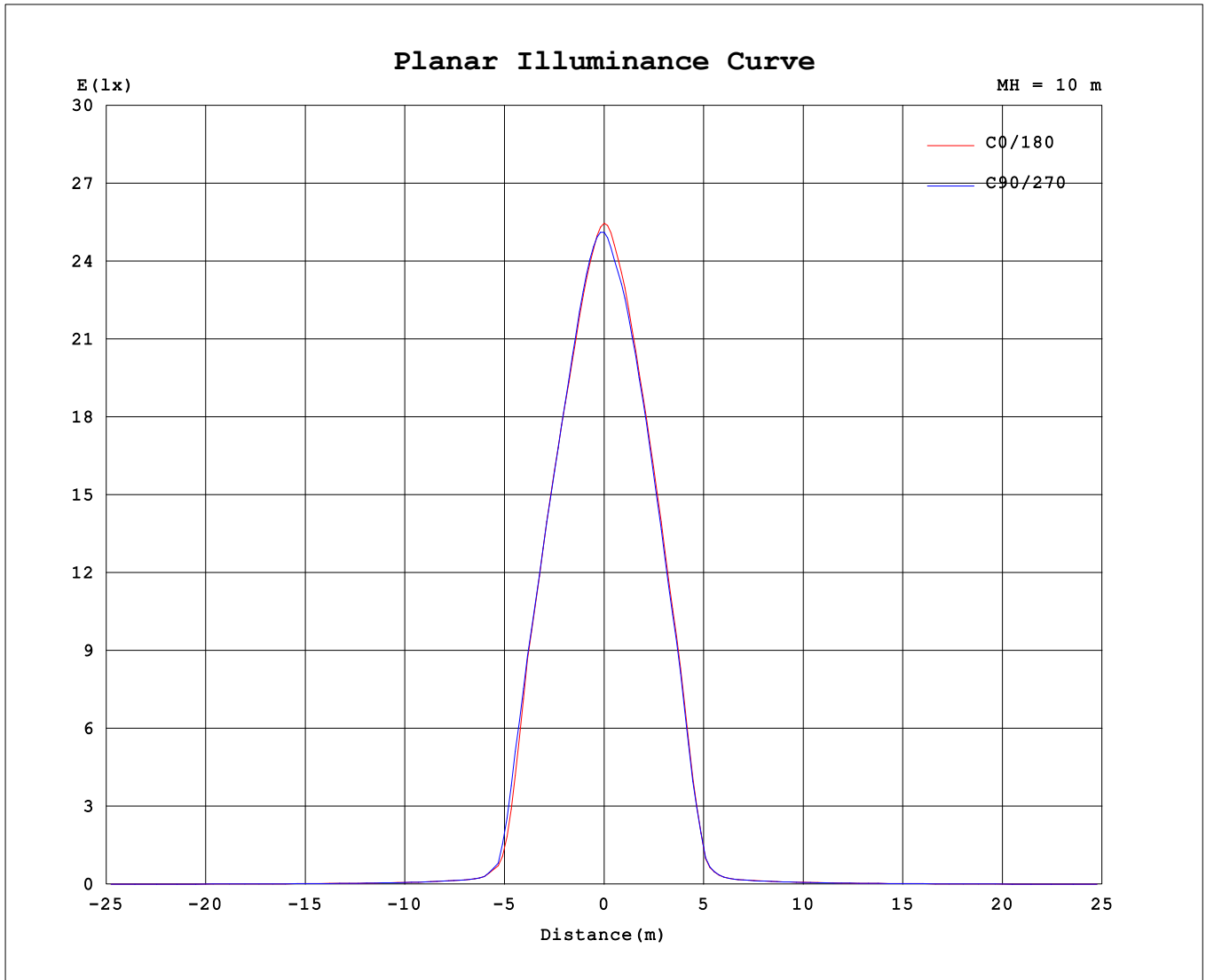
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 7216  |
| L_0~180 (75) av  | 5857  |
| L_0~180 (85) av  | 4089  |
| L_90~270 (65) av | 6956  |
| L_90~270 (75) av | 6105  |
| L_90~270 (85) av | 4648  |
| L_45 (65) av     | 7004  |
| L_45 (75) av     | 5946  |
| L_45 (85) av     | 4429  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.3℃  
 Operators:  
 Test Date:2024-09-22

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.087m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.3 °C  
 Operators:  
 Test Date: 2024-09-22

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.087m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|   |       |                  |
|---|-------|------------------|
| Test:U:119.86V I:0.1174A P:13.882W PF:0.9862 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:941.658x1 lm |       |                  |
| NAME: AD-3-S15W-FC-5CCT-WH  | TYPE: | WEIGHT:          |
| SPEC.: 3000K  | DIM.: | SERIAL No.:      |
| MFR.: Light by Lotus  | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) \ 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                 | 2546 | 2538 | 2529 | 2520 | 2511 | 2502  | 2494 | 2483  | 2546 | 2538  | 2529 | 2520  | 2511 | 2502  | 2494 | 2483  |  |  |  |
| 5                 | 2360 | 2357 | 2357 | 2374 | 2377 | 2382  | 2360 | 2341  | 2383 | 2371  | 2371 | 2354  | 2338 | 2319  | 2318 | 2311  |  |  |  |
| 10                | 2026 | 2028 | 2019 | 2039 | 2039 | 2055  | 2038 | 2030  | 2063 | 2050  | 2060 | 2042  | 2043 | 2013  | 2008 | 1983  |  |  |  |
| 15                | 1664 | 1665 | 1645 | 1660 | 1660 | 1680  | 1669 | 1658  | 1668 | 1645  | 1653 | 1633  | 1638 | 1607  | 1609 | 1605  |  |  |  |
| 20                | 1170 | 1182 | 1171 | 1186 | 1182 | 1197  | 1173 | 1161  | 1150 | 1119  | 1129 | 1116  | 1126 | 1102  | 1115 | 1115  |  |  |  |
| 25                | 390  | 450  | 486  | 524  | 511  | 527   | 463  | 437   | 405  | 361   | 406  | 355   | 396  | 340   | 375  | 334   |  |  |  |
| 30                | 66.9 | 59.0 | 64.6 | 57.6 | 70.4 | 59.8  | 66.6 | 59.0  | 54.6 | 53.1  | 55.8 | 54.6  | 55.7 | 52.6  | 54.2 | 54.2  |  |  |  |
| 35                | 31.8 | 31.4 | 30.7 | 30.8 | 31.6 | 32.6  | 32.7 | 32.6  | 30.9 | 30.4  | 30.4 | 30.2  | 30.3 | 29.4  | 29.2 | 29.1  |  |  |  |
| 40                | 24.7 | 24.5 | 24.1 | 24.2 | 24.6 | 25.6  | 25.8 | 25.8  | 25.5 | 25.2  | 25.1 | 25.0  | 24.8 | 23.9  | 23.8 | 23.7  |  |  |  |
| 45                | 20.6 | 20.3 | 20.0 | 19.9 | 20.1 | 20.9  | 21.4 | 21.6  | 22.0 | 21.8  | 21.6 | 21.5  | 21.1 | 20.5  | 20.3 | 20.2  |  |  |  |
| 50                | 18.0 | 17.7 | 17.4 | 17.4 | 17.4 | 18.1  | 18.7 | 18.9  | 19.4 | 19.3  | 19.0 | 18.9  | 18.4 | 17.9  | 17.8 | 17.7  |  |  |  |
| 55                | 15.8 | 15.5 | 15.3 | 15.3 | 15.4 | 15.7  | 16.4 | 16.7  | 17.1 | 17.0  | 16.8 | 16.6  | 16.1 | 15.9  | 15.7 | 15.6  |  |  |  |
| 60                | 13.5 | 13.3 | 13.1 | 13.2 | 13.3 | 13.5  | 14.0 | 14.4  | 14.8 | 14.8  | 14.6 | 14.3  | 13.9 | 13.7  | 13.5 | 13.4  |  |  |  |
| 65                | 11.1 | 10.9 | 10.8 | 10.9 | 11.0 | 11.2  | 11.4 | 11.8  | 12.3 | 12.4  | 12.1 | 11.6  | 11.6 | 11.3  | 11.2 | 11.1  |  |  |  |
| 70                | 8.29 | 8.21 | 8.26 | 8.49 | 8.64 | 8.84  | 8.77 | 8.54  | 8.59 | 8.63  | 8.83 | 8.92  | 9.06 | 8.66  | 8.41 | 8.21  |  |  |  |
| 75                | 5.59 | 5.58 | 5.65 | 5.87 | 6.03 | 6.22  | 6.25 | 6.11  | 6.08 | 6.03  | 6.13 | 6.19  | 6.12 | 5.82  | 5.64 | 5.50  |  |  |  |
| 80                | 3.18 | 3.21 | 3.31 | 3.53 | 3.71 | 3.88  | 3.92 | 3.84  | 3.77 | 3.75  | 3.77 | 3.68  | 3.59 | 3.34  | 3.19 | 3.09  |  |  |  |
| 85                | 1.09 | 1.16 | 1.31 | 1.54 | 1.71 | 1.87  | 1.89 | 1.79  | 1.66 | 1.64  | 1.63 | 1.50  | 1.41 | 1.23  | 1.12 | 1.04  |  |  |  |
| 90                | 0.06 | 0.06 | 0.05 | 0.07 | 0.07 | 0.14  | 0.17 | 0.15  | 0.12 | 0.11  | 0.07 | 0.04  | 0.04 | 0.05  | 0.03 | 0.03  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.3℃  
 Operators:  
 Test Date:2024-09-22

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.087m [K=1.0000]  
 Remarks: