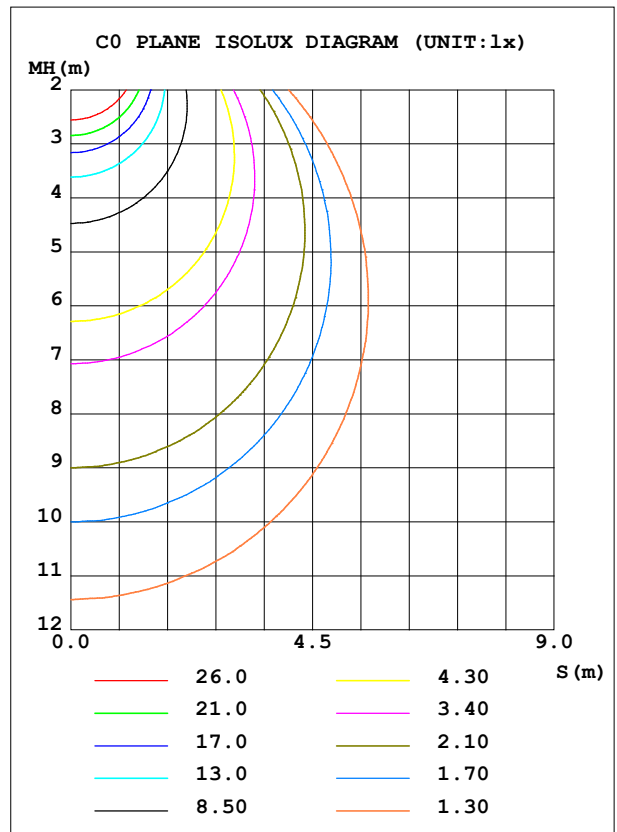
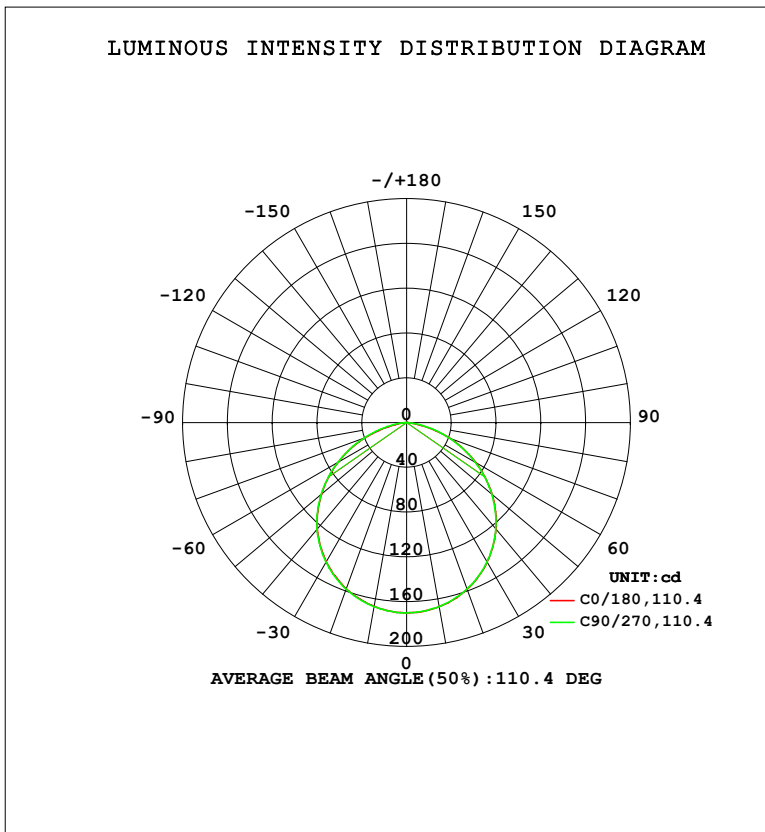


LUMINAIRE PHOTOMETRIC TEST REPORT

|   |       |                  |
|---|-------|------------------|
| Test:U:119.93V I:0.0718A P:6.0840W PF:0.7070 Freq:59.98Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:464.667x1 lm    |       |                  |
| NAME: LED-3-S6W-5CCT-WH-BA                                | TYPE: | WEIGHT:          |
| SPEC.: 3500K  | DIM.: | SERIAL No.:      |
| MFR.: lotus   | SUR.: | Shielding Angle: |

| DATA OF LAMP      |         | PHOTOMETRIC DATA |        |                          |           |
|-------------------|---------|------------------|--------|--------------------------|-----------|
| MODEL             |         | Imax (cd)        | 170.3  | S/MH (C0/180)            | 1.26      |
| NOMINAL POWER (W) | 6       | LOR (%)          | 100.0  | S/MH (C90/270)           | 1.26      |
| RATED VOLTAGE (V) | 120     | TOTAL FLUX (lm)  | 464.67 | $\eta$ UP, DN (C0-180)   | 0.0, 50.4 |
| NOMINAL FLUX (lm) | 464.667 | CIE CLASS        | DIRECT | $\eta$ UP, DN (C180-360) | 0.0, 49.6 |
| LAMPS INSIDE      | 1       | $\eta$ up (%)    | 0.0    | CIBSE SHR NOM            | 1.25      |
| TEST VOLTAGE (V)  | 120     | $\eta$ down (%)  | 100.0  | CIBSE SHR MAX            | 1.35      |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators:  
 Test Date: 2023-01-05

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

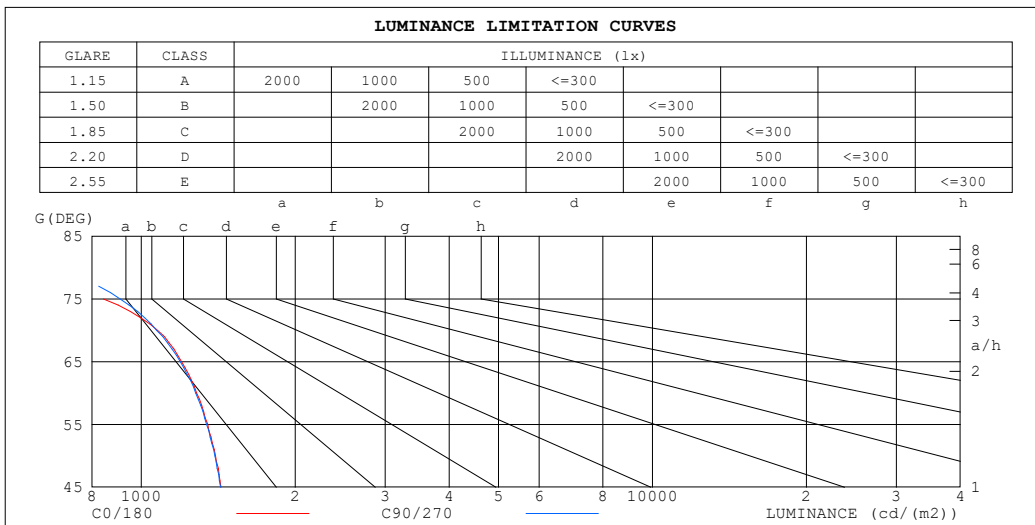
| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 10       | 167.1                 | 167.7  | 167.0  | 167.2  | 166.8  | 166.8  | 167.1  | 167.1  | 0- 10    | 16.09       | 16.09        | 3.46,3.46 |
| 20       | 158.4                 | 159.1  | 158.0  | 158.1  | 158.0  | 157.6  | 158.2  | 158.6  | 10- 20   | 46.11       | 62.20        | 13.4,13.4 |
| 30       | 143.9                 | 145.2  | 143.7  | 143.9  | 143.6  | 143.1  | 144.0  | 144.3  | 20- 30   | 69.94       | 132.1        | 28.4,28.4 |
| 40       | 124.3                 | 125.8  | 124.0  | 124.2  | 124.2  | 123.1  | 124.6  | 124.5  | 30- 40   | 84.26       | 216.4        | 46.6,46.6 |
| 50       | 99.69                 | 101.3  | 99.30  | 99.44  | 99.16  | 97.92  | 99.64  | 99.54  | 40- 50   | 86.69       | 303.1        | 65.2,65.2 |
| 60       | 71.30                 | 73.13  | 70.89  | 70.95  | 70.42  | 69.15  | 70.87  | 71.06  | 50- 60   | 76.43       | 379.5        | 81.7,81.7 |
| 70       | 40.86                 | 42.76  | 40.67  | 40.42  | 39.41  | 38.67  | 40.43  | 40.59  | 60- 70   | 55.18       | 434.7        | 93.6,93.6 |
| 80       | 8.083                 | 12.78  | 12.56  | 11.66  | 7.864  | 9.877  | 12.64  | 11.72  | 70- 80   | 26.84       | 461.5        | 99.3,99.3 |
| 90       | 0.1515                | 0.1710 | 0.1688 | 0.1724 | 0.0994 | 0.1099 | 0.1108 | 0.1043 | 80- 90   | 3.133       | 464.7        | 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:25.3°C  
 Operators:  
 Test Date:2023-01-05

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.93V I:0.0718A P:6.0840W PF:0.7070 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:464.667x1 lm |       |                  |
| NAME: LED-3-S6W-5CCT-WH-BA  | TYPE: | WEIGHT:          |
| SPEC.: 3500K  | DIM.: | SERIAL No.:      |
| MFR.: lotus   | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 72     | 165     |
| 80                | 419    | 652     |
| 75                | 843    | 909     |
| 70                | 1075   | 1071    |
| 65                | 1199   | 1192    |
| 60                | 1283   | 1278    |
| 55                | 1349   | 1342    |
| 50                | 1396   | 1392    |
| 45                | 1431   | 1430    |

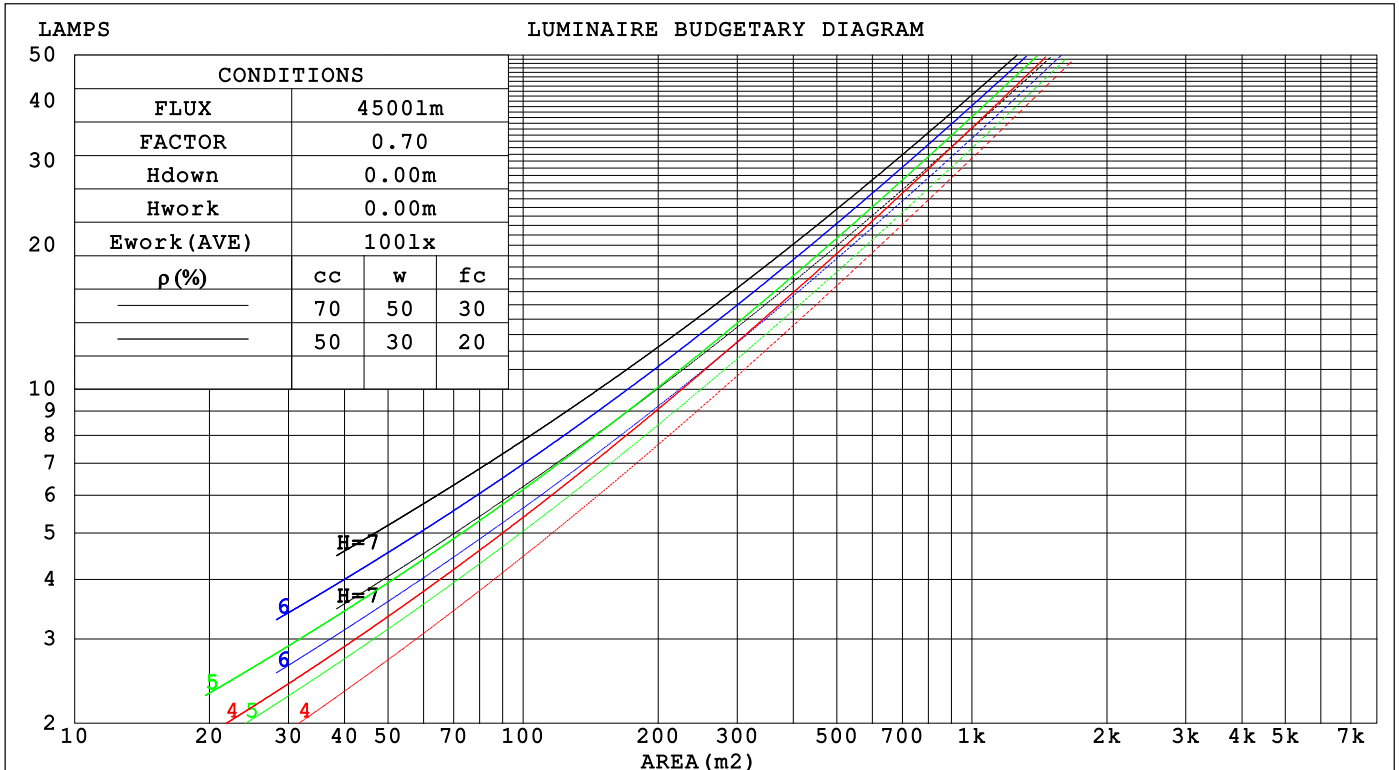
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 2023-01-05

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.93V I:0.0718A P:6.0840W PF:0.7070 Freq:59.98Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:464.667x1 lm    |       |                  |
| NAME: LED-3-S6W-5CCT-WH-BA                                | TYPE: | WEIGHT:          |
| SPEC.: 3500K  | DIM.: | SERIAL No.:      |
| MFR.: 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  | 1.05                            | 1.01 | .97  | 1.03 | .99  | .96  | .98  | .95  | .93  | .95  | .92  | .90  | .91  | .89  | .87  | .85  |
| 2.0  | .92                             | .85  | .80  | .90  | .84  | .79  | .86  | .81  | .77  | .83  | .79  | .75  | .80  | .77  | .73  | .71  |
| 3.0  | .81                             | .73  | .66  | .79  | .72  | .66  | .76  | .70  | .65  | .73  | .68  | .64  | .71  | .66  | .62  | .60  |
| 4.0  | .72                             | .63  | .56  | .70  | .62  | .56  | .68  | .61  | .55  | .65  | .59  | .54  | .63  | .58  | .54  | .52  |
| 5.0  | .64                             | .55  | .49  | .63  | .55  | .48  | .61  | .53  | .48  | .59  | .52  | .47  | .57  | .51  | .47  | .45  |
| 6.0  | .58                             | .49  | .42  | .57  | .48  | .42  | .55  | .47  | .42  | .53  | .47  | .42  | .52  | .46  | .41  | .39  |
| 7.0  | .52                             | .44  | .37  | .51  | .43  | .37  | .50  | .42  | .37  | .48  | .42  | .37  | .47  | .41  | .37  | .35  |
| 8.0  | .48                             | .39  | .33  | .47  | .39  | .33  | .46  | .38  | .33  | .44  | .38  | .33  | .43  | .37  | .33  | .31  |
| 9.0  | .44                             | .36  | .30  | .43  | .35  | .30  | .42  | .35  | .30  | .41  | .34  | .30  | .40  | .34  | .30  | .28  |
| 10.0 | .40                             | .33  | .27  | .40  | .32  | .27  | .39  | .32  | .27  | .38  | .32  | .27  | .37  | .31  | .27  | .25  |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2023-01-05

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.93V I:0.0718A P:6.0840W PF:0.7070 Freq:59.98Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:464.667x1 lm    |       |                  |
| NAME: LED-3-S6W-5CCT-WH-BA                                | TYPE: | WEIGHT:          |
| SPEC.: 3500K  | DIM.: | SERIAL No.:      |
| MFR.: 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         | .290                  | .165 | .052 | .283 | .161 | .051 | .270                            | .155 | .049 | .258 | .149 | .048 | .246 | .143 | .046 |   |
| 2.0         | .279                  | .153 | .047 | .273 | .150 | .046 | .261                            | .145 | .045 | .251 | .141 | .044 | .241 | .136 | .043 |   |
| 3.0         | .261                  | .139 | .042 | .256 | .137 | .041 | .245                            | .133 | .040 | .236 | .129 | .040 | .227 | .126 | .039 |   |
| 4.0         | .243                  | .126 | .037 | .238 | .124 | .037 | .229                            | .121 | .036 | .220 | .118 | .036 | .213 | .115 | .035 |   |
| 5.0         | .225                  | .115 | .033 | .221 | .114 | .033 | .213                            | .111 | .033 | .206 | .109 | .032 | .199 | .106 | .032 |   |
| 6.0         | .210                  | .105 | .030 | .206 | .104 | .030 | .199                            | .102 | .030 | .192 | .100 | .029 | .186 | .098 | .029 |   |
| 7.0         | .196                  | .097 | .027 | .192 | .096 | .027 | .186                            | .094 | .027 | .180 | .092 | .027 | .174 | .091 | .027 |   |
| 8.0         | .183                  | .090 | .025 | .180 | .089 | .025 | .175                            | .087 | .025 | .169 | .086 | .025 | .164 | .084 | .025 |   |
| 9.0         | .172                  | .083 | .023 | .169 | .083 | .023 | .164                            | .081 | .023 | .159 | .080 | .023 | .155 | .079 | .023 |   |
| 10.0        | .162                  | .078 | .022 | .160 | .077 | .021 | .155                            | .076 | .021 | .150 | .075 | .021 | .146 | .074 | .021 |   |

| $\rho_{CC}$ | 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         | .179                  | .156 | .136 | .153 | .134 | .117 | .105                                       | .092 | .081 | .060 | .053 | .047 | .019 | .017 | .015 |   |
| 2.0         | .171                  | .132 | .100 | .146 | .114 | .086 | .100                                       | .079 | .060 | .058 | .046 | .035 | .019 | .015 | .011 |   |
| 3.0         | .163                  | .114 | .076 | .140 | .099 | .066 | .096                                       | .068 | .046 | .055 | .040 | .027 | .018 | .013 | .009 |   |
| 4.0         | .155                  | .101 | .059 | .133 | .087 | .051 | .092                                       | .061 | .036 | .053 | .036 | .021 | .017 | .012 | .007 |   |
| 5.0         | .148                  | .090 | .048 | .127 | .078 | .042 | .088                                       | .055 | .029 | .051 | .032 | .017 | .016 | .010 | .006 |   |
| 6.0         | .141                  | .082 | .040 | .121 | .071 | .035 | .084                                       | .050 | .024 | .048 | .029 | .015 | .016 | .010 | .005 |   |
| 7.0         | .134                  | .075 | .034 | .116 | .065 | .029 | .080                                       | .046 | .021 | .046 | .027 | .012 | .015 | .009 | .004 |   |
| 8.0         | .128                  | .069 | .029 | .110 | .060 | .025 | .076                                       | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0         | .122                  | .064 | .025 | .105 | .056 | .022 | .073                                       | .039 | .016 | .042 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0        | .116                  | .060 | .023 | .100 | .052 | .020 | .070                                       | .037 | .014 | .041 | .022 | .008 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2023-01-05

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.93V I:0.0718A P:6.0840W PF:0.7070 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:464.667x1 lm |       |                  |
| NAME: LED-3-S6W-5CCT-WH-BA  | TYPE: | WEIGHT:          |
| SPEC.: 3500K  | DIM.: | SERIAL No.:      |
| MFR.: 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   | 16.7             | 18.2 | 17.0 | 18.4 | 18.6 | 16.7           | 18.2 | 17.0 | 18.4 | 18.6 |
| 3H              | 18.0             | 19.4 | 18.3 | 19.6 | 19.9 | 18.0           | 19.4 | 18.3 | 19.7 | 19.9 |
| 4H              | 18.4             | 19.7 | 18.8 | 20.0 | 20.2 | 18.5           | 19.8 | 18.8 | 20.1 | 20.3 |
| 6H              | 18.6             | 19.8 | 18.9 | 20.1 | 20.3 | 18.7           | 20.0 | 19.1 | 20.2 | 20.5 |
| 8H              | 18.5             | 19.7 | 18.9 | 20.0 | 20.3 | 18.8           | 19.9 | 19.1 | 20.2 | 20.5 |
| 12H             | 18.5             | 19.6 | 18.8 | 19.9 | 20.2 | 18.7           | 19.9 | 19.1 | 20.2 | 20.5 |
| 4H 2H           | 17.3             | 18.6 | 17.6 | 18.8 | 19.1 | 17.3           | 18.6 | 17.6 | 18.9 | 19.1 |
| 3H              | 18.8             | 19.9 | 19.1 | 20.2 | 20.5 | 18.8           | 20.0 | 19.2 | 20.2 | 20.5 |
| 4H              | 19.3             | 20.3 | 19.7 | 20.7 | 21.0 | 19.4           | 20.4 | 19.8 | 20.7 | 21.1 |
| 6H              | 19.5             | 20.4 | 19.9 | 20.8 | 21.1 | 19.7           | 20.6 | 20.1 | 21.0 | 21.4 |
| 8H              | 19.5             | 20.3 | 19.9 | 20.7 | 21.1 | 19.8           | 20.6 | 20.2 | 21.0 | 21.4 |
| 12H             | 19.4             | 20.2 | 19.9 | 20.6 | 21.0 | 19.8           | 20.5 | 20.2 | 20.9 | 21.3 |
| 8H 4H           | 19.5             | 20.4 | 19.9 | 20.7 | 21.1 | 19.6           | 20.4 | 20.0 | 20.8 | 21.2 |
| 6H              | 19.8             | 20.5 | 20.2 | 20.9 | 21.3 | 20.0           | 20.7 | 20.5 | 21.1 | 21.6 |
| 8H              | 19.8             | 20.4 | 20.2 | 20.8 | 21.3 | 20.1           | 20.7 | 20.6 | 21.2 | 21.6 |
| 12H             | 19.7             | 20.3 | 20.2 | 20.7 | 21.2 | 20.1           | 20.7 | 20.6 | 21.1 | 21.6 |
| 12H 4H          | 19.5             | 20.3 | 19.9 | 20.7 | 21.1 | 19.6           | 20.3 | 20.0 | 20.7 | 21.1 |
| 6H              | 19.8             | 20.4 | 20.2 | 20.8 | 21.3 | 20.0           | 20.6 | 20.5 | 21.1 | 21.5 |
| 8H              | 19.8             | 20.3 | 20.3 | 20.8 | 21.2 | 20.1           | 20.7 | 20.6 | 21.1 | 21.6 |

|   |               |               |
|---|---------------|---------------|
| Variations with the observer position at spacings(CIE Pub.117): |               |               |
| S = 1.0H  | + 0.2 / - 0.3 | + 0.2 / - 0.3 |
| 1.5H  | + 0.2 / - 0.4 | + 0.2 / - 0.4 |
| 2.0H  | + 0.3 / - 0.4 | + 0.2 / - 0.4 |

CIE Pub.117, 464.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)  
 Area: 0.111111 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2023-01-05

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.93V I:0.0718A P:6.0840W PF:0.7070 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:464.667x1 lm |       |                  |
| NAME: LED-3-S6W-5CCT-WH-BA  | TYPE: | WEIGHT:          |
| SPEC.: 3500K  | DIM.: | SERIAL No.:      |
| MFR.: lotus   | SUR.: | Shielding Angle: |

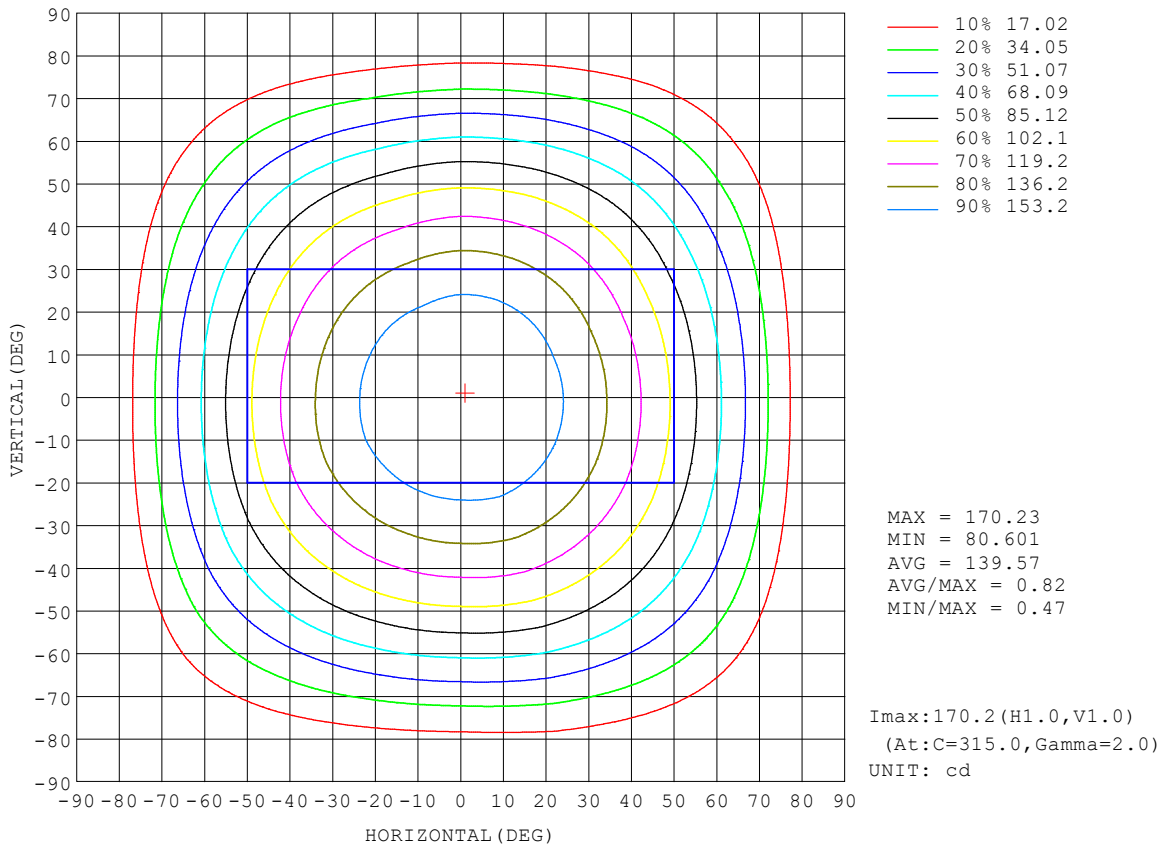
| REFLECTANCE                      |  |     |           |     |     |     |               |     |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |               |     |     |        |
| $k = 0.60$                       | 58   | 47  | 40        | 58  | 47  | 40  | 57            | 46  | 40  | 34     |
| 0.80                             | 69   | 57  | 50        | 68  | 57  | 50  | 66            | 56  | 50  | 43     |
| 1.00                             | 77   | 66  | 59        | 76  | 66  | 59  | 74            | 67  | 59  | 52     |
| 1.25                             | 84   | 74  | 67        | 83  | 74  | 67  | 80            | 72  | 66  | 59     |
| 1.50                             | 89   | 80  | 73        | 88  | 79  | 73  | 85            | 77  | 72  | 64     |
| 2.00                             | 96   | 88  | 82        | 94  | 87  | 81  | 91            | 85  | 80  | 72     |
| 2.50                             | 100  | 93  | 87        | 98  | 91  | 86  | 94            | 89  | 84  | 76     |
| 3.00                             | 103  | 97  | 92        | 101 | 95  | 90  | 97            | 92  | 88  | 80     |
| 4.00                             | 107  | 102 | 97        | 105 | 100 | 96  | 101           | 97  | 93  | 85     |
| 5.00                             | 109  | 105 | 101       | 107 | 103 | 100 | 103           | 99  | 96  | 88     |
| ROOM INDEX                       | UF(total)  |     |           |     |     |     |               |     |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |        |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2023-01-05

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.93V I:0.0718A P:6.0840W PF:0.7070 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:464.667x1 lm |       |                  |
| NAME: LED-3-S6W-5CCT-WH-BA  | TYPE: | WEIGHT:          |
| SPEC.: 3500K  | DIM.: | SERIAL No.:      |
| MFR.: lotus   | SUR.: | Shielding Angle: |



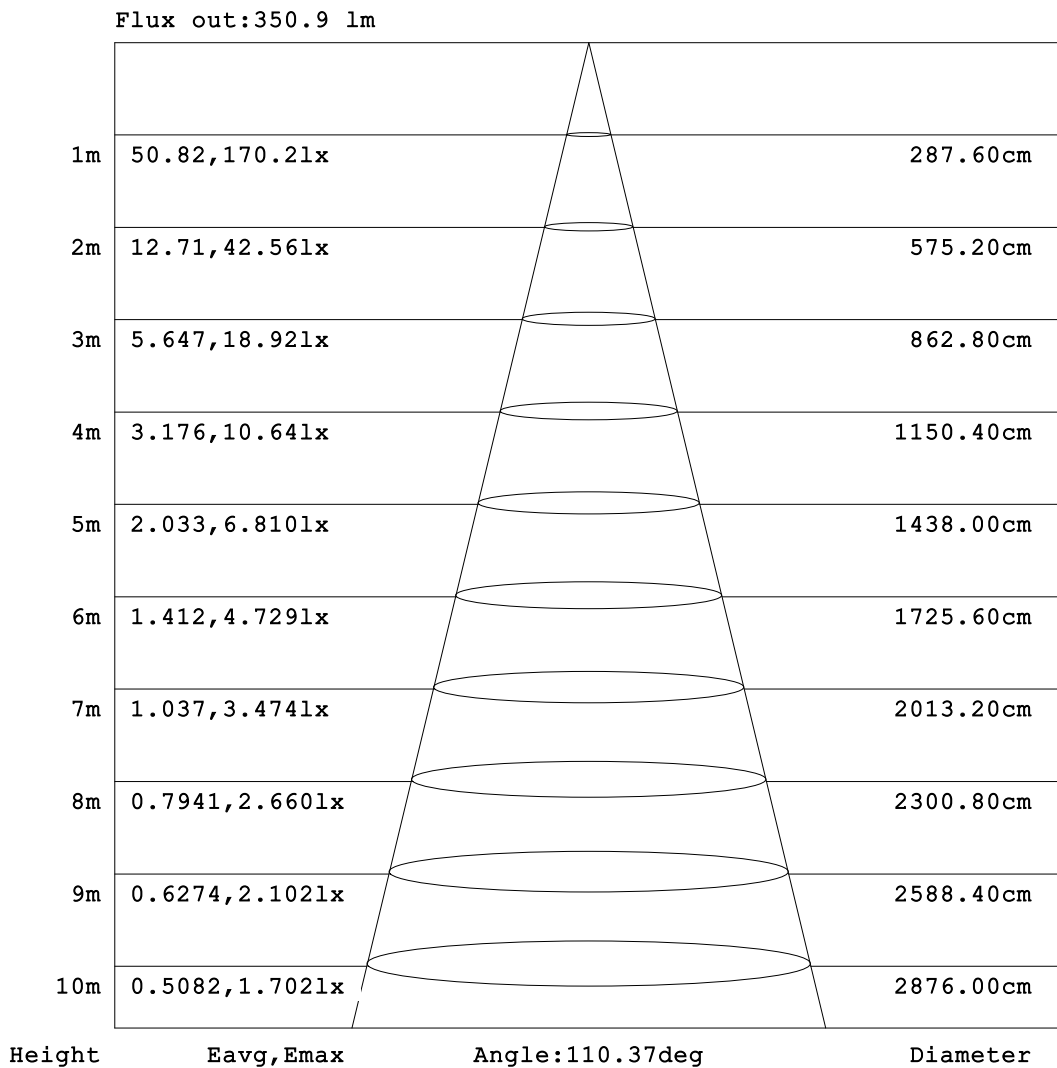
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2023-01-05

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:



**AAI Figure**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.93V I:0.0718A P:6.0840W PF:0.7070 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:464.667x1 lm |       |                  |
| NAME: LED-3-S6W-5CCT-WH-BA  | TYPE: | WEIGHT:          |
| SPEC.: 3500K  | DIM.: | SERIAL No.:      |
| MFR.: lotus   | SUR.: | Shielding Angle: |



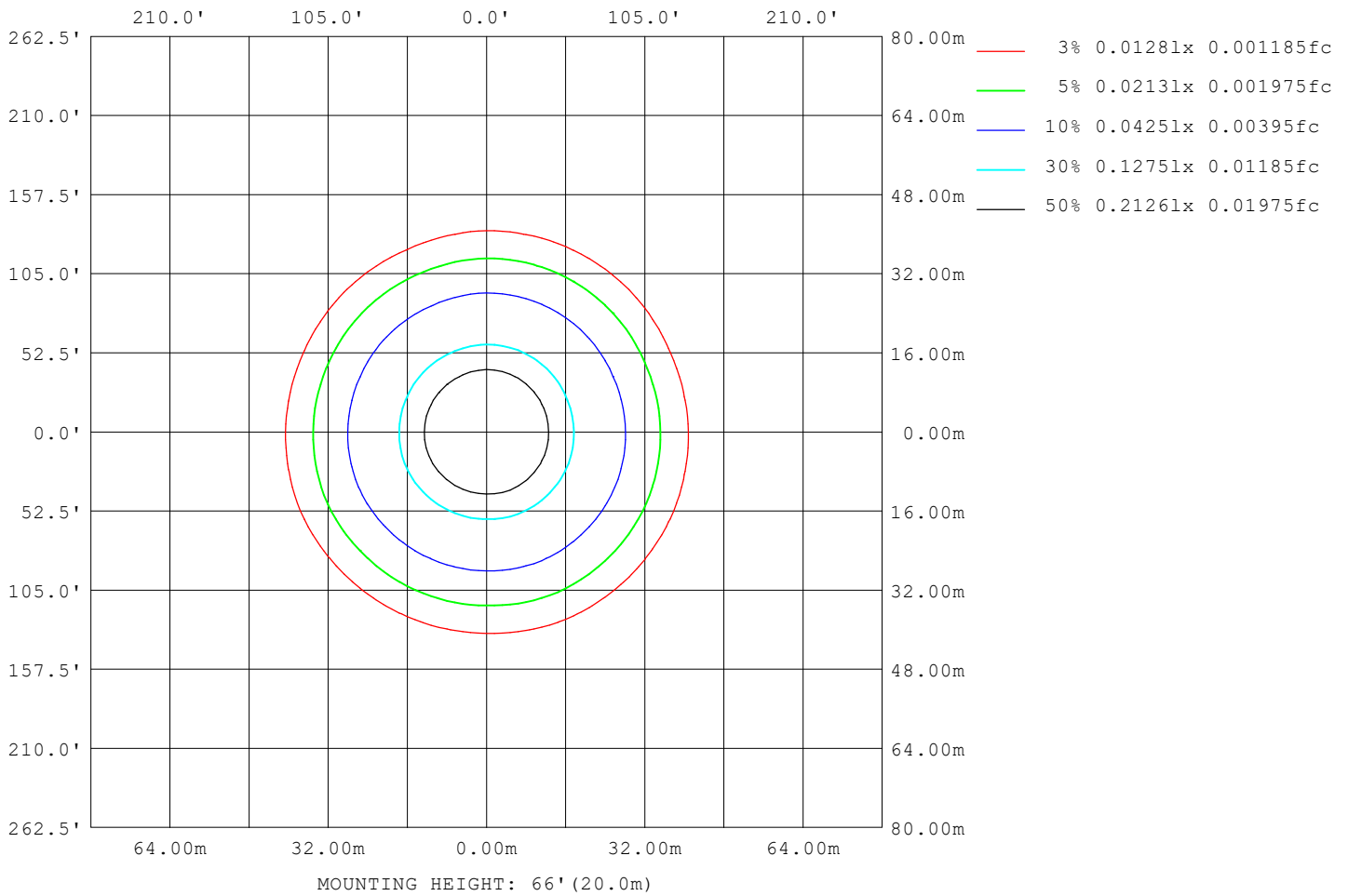
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators:  
 Test Date: 2023-01-05

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.93V I:0.0718A P:6.0840W PF:0.7070 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:464.667x1 lm |       |                  |
| NAME: LED-3-S6W-5CCT-WH-BA  | TYPE: | WEIGHT:          |
| SPEC.: 3500K  | DIM.: | SERIAL No.:      |
| MFR.: lotus   | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators:  
 Test Date: 2023-01-05

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.93V I:0.0718A P:6.0840W PF:0.7070 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:464.667x1 lm |       |                  |
| NAME: LED-3-S6W-5CCT-WH-BA  | TYPE: | WEIGHT:          |
| SPEC.: 3500K  | DIM.: | SERIAL No.:      |
| MFR.: lotus   | SUR.: | Shielding Angle: |

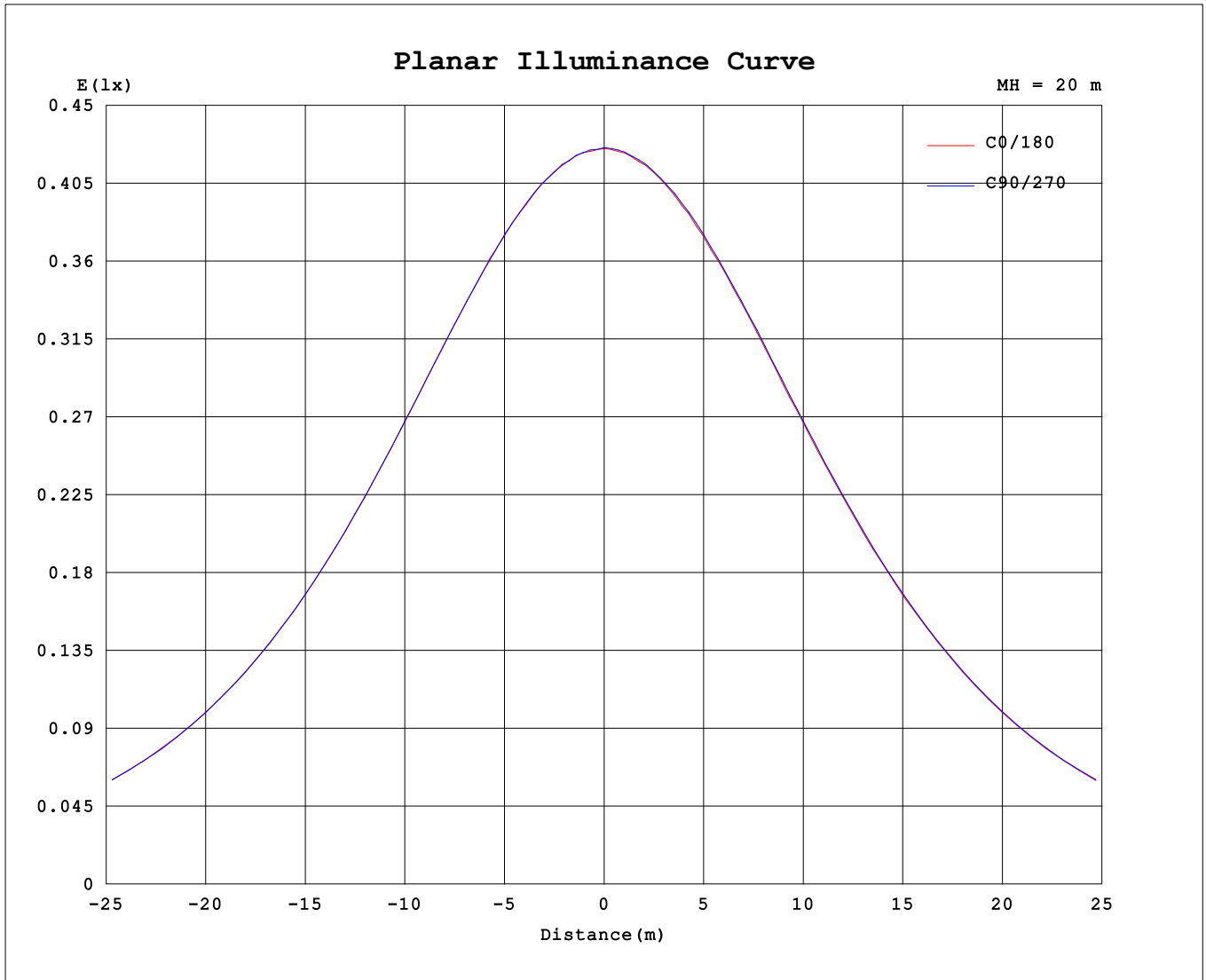
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 1188  |
| L_0~180 (75) av  | 819   |
| L_0~180 (85) av  | 68    |
| L_90~270 (65) av | 1188  |
| L_90~270 (75) av | 904   |
| L_90~270 (85) av | 187   |
| L_45 (65) av     | 1189  |
| L_45 (75) av     | 896   |
| L_45 (85) av     | 120   |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:  
 Test Date:2023-01-05

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators:  
 Test Date: 2023-01-05

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

|   |       |                  |
|---|-------|------------------|
| Test:U:119.93V I:0.0718A P:6.0840W PF:0.7070 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:464.667x1 lm |       |                  |
| NAME: LED-3-S6W-5CCT-WH-BA  | TYPE: | WEIGHT:          |
| SPEC.: 3500K  | DIM.: | SERIAL No.:      |
| MFR.: 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                 | 170  | 170  | 170  | 170  | 170  | 170   | 170  | 170   | 170  | 170   | 170  | 170   | 170  | 170   | 170  | 170   |     |  |  |  |
| 5                 | 169  | 169  | 170  | 170  | 169  | 169   | 169  | 169   | 169  | 169   | 169  | 169   | 169  | 169   | 170  | 170   | 169 |  |  |  |
| 10                | 167  | 168  | 168  | 167  | 167  | 167   | 167  | 167   | 167  | 167   | 167  | 166   | 167  | 168   | 167  | 167   |     |  |  |  |
| 15                | 164  | 164  | 164  | 164  | 163  | 163   | 163  | 164   | 163  | 162   | 163  | 163   | 163  | 164   | 164  | 163   |     |  |  |  |
| 20                | 158  | 159  | 159  | 159  | 158  | 158   | 158  | 159   | 158  | 158   | 158  | 157   | 158  | 159   | 159  | 158   |     |  |  |  |
| 25                | 152  | 153  | 153  | 153  | 152  | 152   | 152  | 152   | 151  | 151   | 151  | 151   | 152  | 152   | 152  | 151   |     |  |  |  |
| 30                | 144  | 145  | 145  | 145  | 144  | 144   | 144  | 144   | 144  | 143   | 143  | 143   | 144  | 145   | 144  | 143   |     |  |  |  |
| 35                | 135  | 136  | 136  | 136  | 135  | 134   | 135  | 135   | 135  | 134   | 134  | 133   | 135  | 135   | 135  | 134   |     |  |  |  |
| 40                | 124  | 126  | 126  | 126  | 124  | 124   | 124  | 125   | 124  | 123   | 123  | 123   | 125  | 125   | 124  | 123   |     |  |  |  |
| 45                | 112  | 114  | 114  | 114  | 112  | 112   | 112  | 113   | 112  | 111   | 111  | 111   | 113  | 113   | 113  | 111   |     |  |  |  |
| 50                | 99.7 | 101  | 101  | 102  | 99.3 | 99.1  | 99.4 | 100   | 99.2 | 98.2  | 97.9 | 97.4  | 99.6 | 100   | 99.5 | 98.2  |     |  |  |  |
| 55                | 86.0 | 87.4 | 87.5 | 87.9 | 85.5 | 85.2  | 85.5 | 86.5  | 85.3 | 84.0  | 84.0 | 83.3  | 85.6 | 86.1  | 85.7 | 84.4  |     |  |  |  |
| 60                | 71.3 | 72.9 | 73.1 | 73.4 | 70.9 | 70.7  | 70.9 | 71.9  | 70.4 | 69.2  | 69.1 | 68.6  | 70.9 | 71.4  | 71.1 | 69.8  |     |  |  |  |
| 65                | 56.3 | 57.8 | 57.9 | 58.3 | 55.9 | 55.5  | 55.7 | 56.7  | 55.2 | 54.0  | 53.8 | 53.4  | 55.7 | 56.2  | 55.9 | 54.7  |     |  |  |  |
| 70                | 40.9 | 42.6 | 42.8 | 43.1 | 40.7 | 40.3  | 40.4 | 41.5  | 39.4 | 38.3  | 38.7 | 38.2  | 40.4 | 40.9  | 40.6 | 39.4  |     |  |  |  |
| 75                | 24.2 | 26.6 | 27.8 | 28.3 | 26.1 | 25.7  | 25.8 | 26.0  | 22.8 | 22.5  | 23.6 | 23.9  | 25.9 | 26.3  | 25.9 | 23.8  |     |  |  |  |
| 80                | 8.08 | 10.7 | 12.8 | 14.6 | 12.6 | 12.3  | 11.7 | 10.9  | 7.86 | 8.11  | 9.88 | 11.2  | 12.6 | 13.1  | 11.7 | 8.83  |     |  |  |  |
| 85                | 0.70 | 1.00 | 1.38 | 2.63 | 1.60 | 1.64  | 1.19 | 1.02  | 0.61 | 0.61  | 0.94 | 1.43  | 2.02 | 2.03  | 1.13 | 0.57  |     |  |  |  |
| 90                | 0.15 | 0.16 | 0.17 | 0.17 | 0.17 | 0.17  | 0.17 | 0.16  | 0.10 | 0.10  | 0.11 | 0.12  | 0.11 | 0.11  | 0.10 | 0.10  |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |
|                   |      |      |      |      |      |       |      |       |      |       |      |       |      |       |      |       |     |  |  |  |

|                      |   |
|----------------------|---|
| C Range: 0 - 360DEG  | γ Range: 0 - 90DEG                                  |
| C Interval: 22.5DEG  | γ Interval: 1.0DEG                                  |
| Test Speed: HIGH     | Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460 |
| Temperature:25.3℃    | Humidity:65.0%                                      |
| Operators:           | Test Distance:3.090m [K=1.0000]                     |
| Test Date:2023-01-05 | Remarks:  |