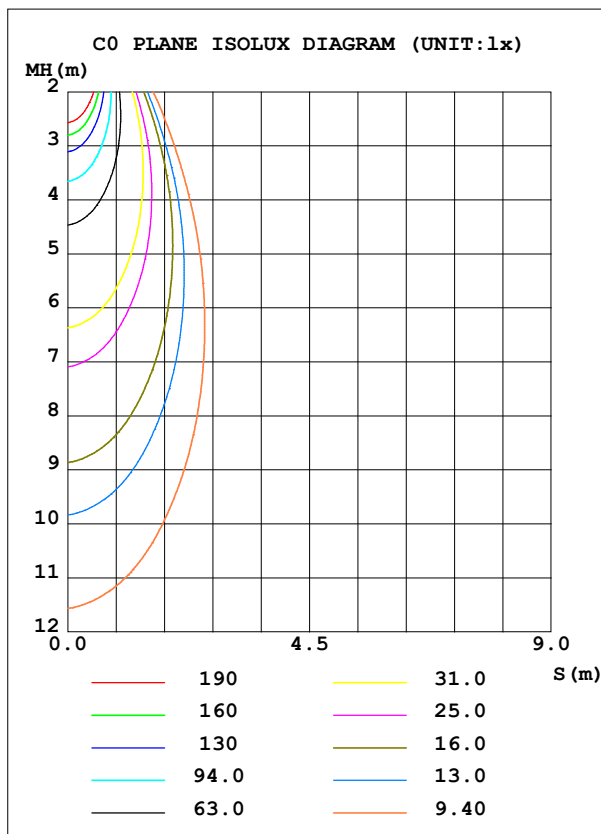
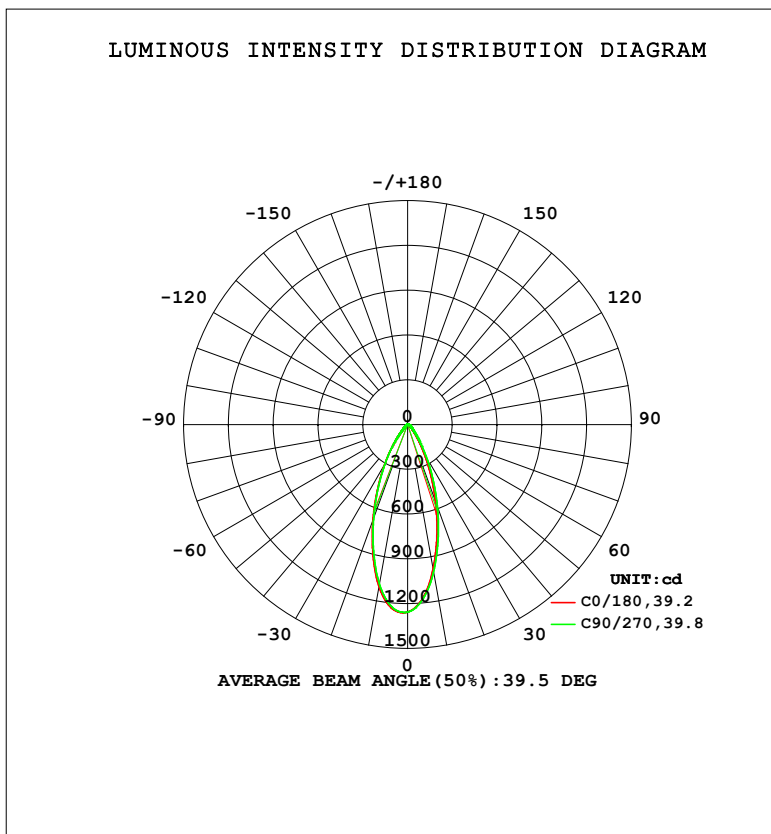


# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

|                                                                                                                     |       |                  |
|---------------------------------------------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.26V I:0.0664A P:7.6698W PF:0.9608 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:733.331x1 lm |       |                  |
| NAME: RENO-LED-AURA-3-S8W-5CCT-BK                                                                                   | TYPE: | WEIGHT:          |
| SPEC.: 5000K                                                                                                        | DIM.: | SERIAL No.:      |
| MFR.: RENO                                                                                                          | SUR.: | Shielding Angle: |

| DATA OF LAMP                  |         | PHOTOMETRIC DATA Eff: 95.61 lm/W |        |                        |          |
|-------------------------------|---------|----------------------------------|--------|------------------------|----------|
| MORENO-LED-AURA-3-S8W-5CCT-BK |         | Imax (cd)                        | 1263   | S/MH(C0/180)           | 0.68     |
| NOMINAL POWER(W)              | 8       | LOR(%)                           | 100.0  | S/MH(C90/270)          | 0.67     |
| RATED VOLTAGE(V)              | 120     | TOTAL FLUX(lm)                   | 733.33 | $\eta$ UP,DN(C0-180)   | 0.4,47.1 |
| NOMINAL FLUX(lm)              | 733.331 | CIE CLASS                        | DIRECT | $\eta$ UP,DN(C180-360) | 0.3,52.1 |
| LAMPS INSIDE                  | 1       | $\eta$ up (%)                    | 0.7    | CIBSE SHR NOM          | 0.50     |
| TEST VOLTAGE(V)               | 120     | $\eta$ down (%)                  | 99.3   | CIBSE SHR MAX          | 0.70     |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.3℃  
Operators:  
Test Date:2026-05-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.1DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.087m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10       | 983.5                 | 975.5  | 1005   | 1061   | 1104   | 1115   | 1087   | 1037   | 0- 10    | 109.6       | 109.6        | 14.9,14.9  |
| 20       | 547.2                 | 554.0  | 586.1  | 632.2  | 681.9  | 704.1  | 666.9  | 599.3  | 10- 20   | 230.1       | 339.7        | 46.3,46.3  |
| 30       | 219.5                 | 233.0  | 255.4  | 279.8  | 310.2  | 333.4  | 303.6  | 251.4  | 20- 30   | 196.4       | 536.1        | 73.1,73.1  |
| 40       | 64.82                 | 75.01  | 81.04  | 88.94  | 98.04  | 117.9  | 97.48  | 76.20  | 30- 40   | 101.8       | 637.9        | 87,87      |
| 50       | 28.56                 | 31.07  | 33.69  | 34.62  | 35.88  | 40.06  | 35.43  | 31.36  | 40- 50   | 40.60       | 678.5        | 92.5,92.5  |
| 60       | 18.11                 | 19.29  | 20.60  | 20.00  | 20.62  | 22.38  | 21.47  | 19.33  | 50- 60   | 23.04       | 701.5        | 95.7,95.7  |
| 70       | 9.677                 | 11.86  | 11.98  | 11.67  | 12.40  | 14.89  | 13.49  | 10.88  | 60- 70   | 15.88       | 717.4        | 97.8,97.8  |
| 80       | 3.337                 | 2.845  | 4.125  | 4.316  | 4.808  | 7.201  | 5.389  | 4.185  | 70- 80   | 8.700       | 726.1        | 99,99      |
| 90       | 0.1022                | 0.2589 | 0.6432 | 0.1395 | 0.0854 | 0.0928 | 0.1612 | 0.0941 | 80- 90   | 1.839       | 728.0        | 99.3,99.3  |
| 100      | 0.1180                | 0.1220 | 0.1313 | 0.1023 | 0.0943 | 0.0919 | 0.1001 | 0.1242 | 90-100   | 0.1144      | 728.1        | 99.3,99.3  |
| 110      | 0.1839                | 0.1995 | 0.1930 | 0.1614 | 0.1481 | 0.1544 | 0.1717 | 0.1715 | 100-110  | 0.1451      | 728.2        | 99.3,99.3  |
| 120      | 0.3211                | 0.3524 | 0.3286 | 0.2712 | 0.2256 | 0.2470 | 0.2849 | 0.2749 | 110-120  | 0.2185      | 728.4        | 99.3,99.3  |
| 130      | 0.7350                | 0.7851 | 0.7270 | 0.5794 | 0.4645 | 0.5008 | 0.5832 | 0.6020 | 120-130  | 0.3769      | 728.8        | 99.4,99.4  |
| 140      | 1.703                 | 1.732  | 1.616  | 1.324  | 1.116  | 1.151  | 1.338  | 1.420  | 130-140  | 0.7453      | 729.6        | 99.5,99.5  |
| 150      | 3.226                 | 2.997  | 2.796  | 2.344  | 2.148  | 2.086  | 2.498  | 2.604  | 140-150  | 1.245       | 730.8        | 99.7,99.7  |
| 160      | 3.953                 | 3.462  | 3.196  | 2.915  | 2.714  | 2.729  | 3.083  | 3.233  | 150-160  | 1.369       | 732.2        | 99.8,99.8  |
| 170      | 3.143                 | 3.056  | 2.859  | 2.820  | 2.692  | 2.865  | 3.005  | 3.166  | 160-170  | 0.8779      | 733.1        | 100,100    |
| 180      | 2.747                 | 2.912  | 2.651  | 2.899  | 2.751  | 2.911  | 2.642  | 2.901  | 170-180  | 0.2699      | 733.3        | 100,100    |
| DEG      | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |          | UNIT:lm     |              |            |

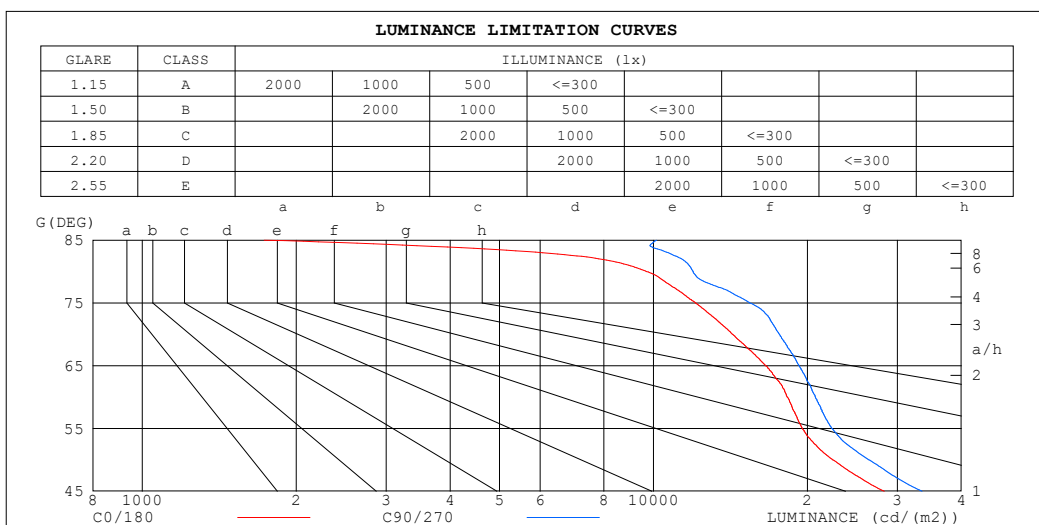
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.3℃  
 Operators:  
 Test Date:2026-05-14

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.1DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.087m [K=1.0000]  
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

|                                                                                                                     |       |                  |
|---------------------------------------------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.26V I:0.0664A P:7.6698W PF:0.9608 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:733.331x1 lm |       |                  |
| NAME: RENO-LED-AURA-3-S8W-5CCT-BK                                                                                   | TYPE: | WEIGHT:          |
| SPEC.: 5000K                                                                                                        | DIM.: | SERIAL No.:      |
| MFR.: RENO                                                                                                          | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 1933   | 10302   |
| 80                | 9868   | 12080   |
| 75                | 12207  | 15627   |
| 70                | 14388  | 17740   |
| 65                | 16687  | 19369   |
| 60                | 18357  | 20808   |
| 55                | 19634  | 22457   |
| 50                | 22567  | 26565   |
| 45                | 28476  | 33802   |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.3℃  
Operators:  
Test Date:2026-05-14

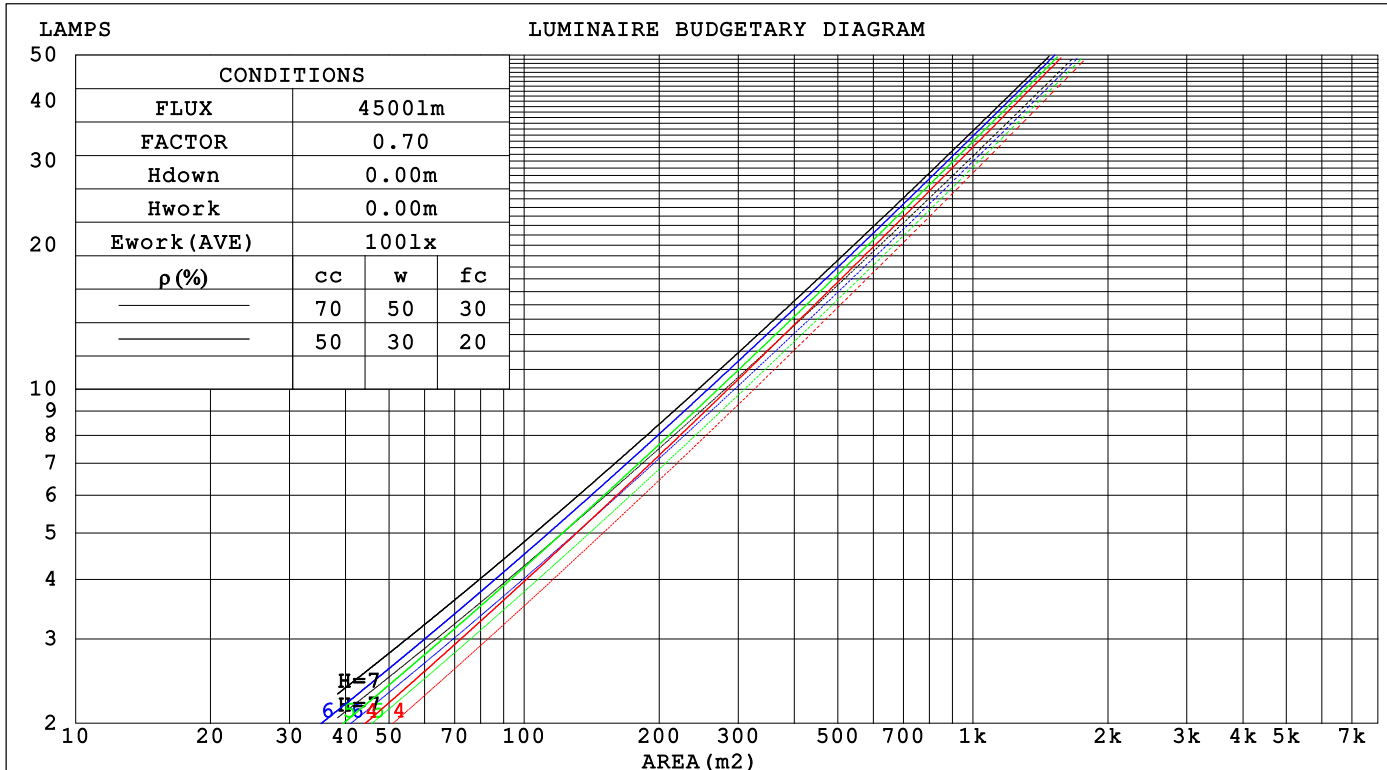
γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.087m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                           |       |                  |
|-----------------------------------------------------------|-------|------------------|
| Test:U:120.26V I:0.0664A P:7.6698W PF:0.9608 Freq:59.98Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:733.331x1 lm    |       |                  |
| NAME: RENO-LED-AURA-3-S8W-5CCT-BK                         | TYPE: | WEIGHT:          |
| SPEC.: 5000K                                              | DIM.: | SERIAL No.:      |
| MFR.: RENO                                                | SUR.: | Shielding Angle: |

| pcc  | 80%                                                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|------|-------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| pw   | 50%                                                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| pfc  | 20%                                                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR  | RCR:Room Cavity Ratio Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| 0.0  | 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  | 1.10                                                  | 1.08 | 1.05 | 1.08 | 1.06 | 1.03 | 1.04 | 1.02 | 1.00 | .00  | .98  | .97  | .96  | .95  | .94  | .92 |
| 2.0  | 1.02                                                  | .98  | .95  | 1.00 | .97  | .94  | .97  | .94  | .91  | .94  | .91  | .89  | .91  | .89  | .87  | .86 |
| 3.0  | .95                                                   | .90  | .86  | .94  | .89  | .86  | .91  | .87  | .84  | .89  | .85  | .83  | .86  | .84  | .81  | .80 |
| 4.0  | .89                                                   | .84  | .79  | .88  | .83  | .79  | .86  | .81  | .78  | .84  | .80  | .77  | .82  | .79  | .76  | .74 |
| 5.0  | .84                                                   | .78  | .74  | .83  | .78  | .73  | .81  | .76  | .73  | .79  | .75  | .72  | .78  | .74  | .71  | .70 |
| 6.0  | .79                                                   | .73  | .69  | .78  | .73  | .69  | .77  | .72  | .68  | .75  | .71  | .68  | .74  | .70  | .67  | .66 |
| 7.0  | .75                                                   | .69  | .65  | .74  | .69  | .65  | .73  | .68  | .64  | .72  | .67  | .64  | .70  | .66  | .63  | .62 |
| 8.0  | .71                                                   | .65  | .61  | .70  | .65  | .61  | .69  | .64  | .61  | .68  | .64  | .60  | .67  | .63  | .60  | .59 |
| 9.0  | .67                                                   | .62  | .58  | .67  | .61  | .58  | .66  | .61  | .57  | .65  | .60  | .57  | .64  | .60  | .57  | .56 |
| 10.0 | .64                                                   | .59  | .55  | .64  | .58  | .55  | .63  | .58  | .55  | .62  | .58  | .54  | .61  | .57  | .54  | .53 |



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.3℃  
Operators:  
Test Date:2026-05-14

γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.087m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## WEC AND CCEC

|                                                           |       |                  |
|-----------------------------------------------------------|-------|------------------|
| Test:U:120.26V I:0.0664A P:7.6698W PF:0.9608 Freq:59.98Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:733.331x1 lm    |       |                  |
| NAME: RENO-LED-AURA-3-S8W-5CCT-BK                         | TYPE: | WEIGHT:          |
| SPEC.: 5000K                                              | DIM.: | SERIAL No.:      |
| MFR.: RENO                                                | SUR.: | Shielding Angle: |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |  |
| 1.0  | .186                  | .106 | .034 | .179 | .102 | .032 | .166                            | .095 | .030 | .154 | .089 | .029 | .143 | .083 | .027 |   |  |
| 2.0  | .176                  | .097 | .030 | .171 | .094 | .029 | .159                            | .089 | .028 | .149 | .084 | .026 | .140 | .079 | .025 |   |  |
| 3.0  | .166                  | .088 | .026 | .161 | .086 | .026 | .152                            | .082 | .025 | .143 | .078 | .024 | .135 | .075 | .023 |   |  |
| 4.0  | .157                  | .081 | .024 | .152 | .080 | .024 | .144                            | .076 | .023 | .137 | .073 | .022 | .129 | .070 | .021 |   |  |
| 5.0  | .148                  | .075 | .022 | .144 | .074 | .022 | .137                            | .071 | .021 | .130 | .069 | .020 | .124 | .066 | .020 |   |  |
| 6.0  | .140                  | .070 | .020 | .137 | .069 | .020 | .131                            | .067 | .019 | .125 | .065 | .019 | .119 | .063 | .019 |   |  |
| 7.0  | .133                  | .066 | .019 | .130 | .065 | .018 | .125                            | .063 | .018 | .119 | .061 | .018 | .114 | .059 | .017 |   |  |
| 8.0  | .127                  | .062 | .017 | .124 | .061 | .017 | .119                            | .059 | .017 | .114 | .058 | .017 | .110 | .056 | .016 |   |  |
| 9.0  | .121                  | .058 | .016 | .118 | .058 | .016 | .114                            | .056 | .016 | .110 | .055 | .016 | .106 | .054 | .016 |   |  |
| 10.0 | .115                  | .055 | .015 | .113 | .055 | .015 | .109                            | .054 | .015 | .105 | .052 | .015 | .102 | .051 | .015 |   |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                                         |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
|------|-----------------------|------|------|------|------|------|---------------------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                         | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                                         |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients (CCEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  | .196                  | .196 | .196 | .168 | .168 | .168 | .114                                        | .114 | .114 | .066 | .066 | .066 | .021 | .021 | .021 |   |  |
| 1.0  | .177                  | .163 | .150 | .152 | .140 | .129 | .104                                        | .096 | .089 | .060 | .056 | .052 | .019 | .018 | .017 |   |  |
| 2.0  | .163                  | .138 | .118 | .139 | .119 | .102 | .095                                        | .082 | .071 | .055 | .048 | .042 | .018 | .015 | .014 |   |  |
| 3.0  | .150                  | .119 | .095 | .129 | .103 | .082 | .088                                        | .071 | .058 | .051 | .042 | .034 | .016 | .014 | .011 |   |  |
| 4.0  | .140                  | .105 | .078 | .120 | .090 | .068 | .082                                        | .063 | .048 | .048 | .037 | .028 | .015 | .012 | .009 |   |  |
| 5.0  | .131                  | .093 | .065 | .112 | .080 | .057 | .077                                        | .056 | .040 | .045 | .033 | .024 | .014 | .011 | .008 |   |  |
| 6.0  | .123                  | .084 | .055 | .106 | .073 | .048 | .073                                        | .051 | .034 | .042 | .030 | .020 | .014 | .010 | .007 |   |  |
| 7.0  | .116                  | .076 | .048 | .100 | .066 | .042 | .069                                        | .046 | .030 | .040 | .027 | .018 | .013 | .009 | .006 |   |  |
| 8.0  | .110                  | .070 | .042 | .095 | .061 | .037 | .066                                        | .043 | .026 | .038 | .025 | .015 | .012 | .008 | .005 |   |  |
| 9.0  | .105                  | .065 | .037 | .090 | .056 | .033 | .063                                        | .039 | .023 | .037 | .023 | .014 | .012 | .008 | .005 |   |  |
| 10.0 | .100                  | .060 | .033 | .086 | .052 | .029 | .060                                        | .037 | .021 | .035 | .022 | .012 | .011 | .007 | .004 |   |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.3℃  
Operators:  
Test Date:2026-05-14

γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.087m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## UGR(Unified Glare Rating) Table

|                                                                                                                     |                  |      |      |      |      |                |      |      |                  |      |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|------|------|------|----------------|------|------|------------------|------|
| Test:U:120.26V I:0.0664A P:7.6698W PF:0.9608 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:733.33lx1 lm |                  |      |      |      |      |                |      |      |                  |      |
| NAME: RENO-LED-AURA-3-S8W-5CCT-BK                                                                                   |                  |      |      |      |      | TYPE:          |      |      | WEIGHT:          |      |
| SPEC.: 5000K                                                                                                        |                  |      |      |      |      | DIM.:          |      |      | SERIAL No.:      |      |
| MFR.: RENO                                                                                                          |                  |      |      |      |      | 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                                                                                                       | 19.3             | 20.2 | 19.5 | 20.4 | 20.6 | 20.0           | 21.0 | 20.3 | 21.1             | 21.3 |
| 3H                                                                                                                  | 19.9             | 20.8 | 20.2 | 21.0 | 21.2 | 20.8           | 21.6 | 21.0 | 21.9             | 22.1 |
| 4H                                                                                                                  | 20.2             | 21.0 | 20.4 | 21.2 | 21.5 | 21.1           | 21.9 | 21.4 | 22.1             | 22.4 |
| 6H                                                                                                                  | 20.3             | 21.1 | 20.6 | 21.3 | 21.6 | 21.2           | 22.0 | 21.5 | 22.2             | 22.5 |
| 8H                                                                                                                  | 20.3             | 21.1 | 20.6 | 21.3 | 21.6 | 21.2           | 22.0 | 21.6 | 22.3             | 22.5 |
| 12H                                                                                                                 | 20.3             | 21.0 | 20.6 | 21.3 | 21.6 | 21.3           | 22.0 | 21.6 | 22.3             | 22.5 |
| 4H 2H                                                                                                               | 19.6             | 20.4 | 19.9 | 20.6 | 20.9 | 20.2           | 21.0 | 20.5 | 21.3             | 21.5 |
| 3H                                                                                                                  | 20.4             | 21.1 | 20.7 | 21.4 | 21.7 | 21.2           | 21.9 | 21.5 | 22.2             | 22.5 |
| 4H                                                                                                                  | 20.8             | 21.4 | 21.1 | 21.7 | 22.0 | 21.6           | 22.2 | 21.9 | 22.5             | 22.9 |
| 6H                                                                                                                  | 21.0             | 21.5 | 21.4 | 21.9 | 22.3 | 21.8           | 22.3 | 22.1 | 22.7             | 23.0 |
| 8H                                                                                                                  | 21.0             | 21.5 | 21.4 | 21.9 | 22.3 | 21.8           | 22.4 | 22.2 | 22.7             | 23.1 |
| 12H                                                                                                                 | 21.0             | 21.5 | 21.4 | 21.8 | 22.2 | 21.9           | 22.3 | 22.3 | 22.7             | 23.1 |
| 8H 4H                                                                                                               | 20.9             | 21.4 | 21.3 | 21.8 | 22.2 | 21.6           | 22.2 | 22.0 | 22.5             | 22.9 |
| 6H                                                                                                                  | 21.2             | 21.6 | 21.6 | 22.0 | 22.4 | 21.9           | 22.3 | 22.3 | 22.7             | 23.1 |
| 8H                                                                                                                  | 21.2             | 21.6 | 21.7 | 22.0 | 22.5 | 22.0           | 22.4 | 22.4 | 22.8             | 23.2 |
| 12H                                                                                                                 | 21.2             | 21.5 | 21.7 | 22.0 | 22.5 | 22.1           | 22.4 | 22.5 | 22.8             | 23.3 |
| 12H 4H                                                                                                              | 20.9             | 21.3 | 21.3 | 21.7 | 22.1 | 21.6           | 22.1 | 22.0 | 22.5             | 22.9 |
| 6H                                                                                                                  | 21.1             | 21.5 | 21.6 | 22.0 | 22.4 | 21.8           | 22.2 | 22.3 | 22.6             | 23.1 |
| 8H                                                                                                                  | 21.2             | 21.5 | 21.7 | 22.0 | 22.5 | 21.9           | 22.3 | 22.4 | 22.7             | 23.2 |
| Variations with the observer position at spacings(CIE Pub.117):                                                     |                  |      |      |      |      |                |      |      |                  |      |
| S = 1.0H                                                                                                            | + 0.7 / - 0.9    |      |      |      |      | + 0.9 / - 1.0  |      |      |                  |      |
| 1.5H                                                                                                                | + 1.5 / - 0.8    |      |      |      |      | + 1.8 / - 0.7  |      |      |                  |      |
| 2.0H                                                                                                                | + 0.7 / - 0.5    |      |      |      |      | + 0.9 / - 0.5  |      |      |                  |      |

CIE Pub.117, 733.3 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.1)  
 Area: 0.00198412 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.3℃  
 Operators:  
 Test Date:2026-05-14

γ Range: 0 - 180DEG  
 γ Interval: 0.1DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.087m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## UTILIZATION FACTORS TABLE

|                                                           |       |                  |
|-----------------------------------------------------------|-------|------------------|
| Test:U:120.26V I:0.0664A P:7.6698W PF:0.9608 Freq:59.98Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:733.331x1 lm    |       |                  |
| NAME: RENO-LED-AURA-3-S8W-5CCT-BK                         | TYPE: | WEIGHT:          |
| SPEC.: 5000K                                              | DIM.: | SERIAL No.:      |
| MFR.: RENO                                                | 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 84                                                   | 77  | 72        | 83  | 76  | 72  | 82  | 76            | 72  | 68     |
| 0.80                             | 91                                                   | 85  | 81        | 90  | 84  | 80  | 89  | 84            | 80  | 76     |
| 1.00                             | 96                                                   | 90  | 86        | 95  | 89  | 85  | 93  | 89            | 85  | 80     |
| 1.25                             | 100                                                  | 95  | 91        | 99  | 94  | 90  | 97  | 93            | 89  | 85     |
| 1.50                             | 103                                                  | 98  | 94        | 102 | 97  | 94  | 100 | 96            | 93  | 88     |
| 2.00                             | 107                                                  | 102 | 98        | 105 | 101 | 97  | 102 | 99            | 96  | 90     |
| 2.50                             | 109                                                  | 104 | 101       | 107 | 103 | 100 | 104 | 100           | 98  | 92     |
| 3.00                             | 110                                                  | 107 | 103       | 108 | 105 | 102 | 105 | 102           | 100 | 93     |
| 4.00                             | 113                                                  | 110 | 107       | 111 | 108 | 106 | 107 | 105           | 103 | 95     |
| 5.00                             | 114                                                  | 111 | 109       | 112 | 110 | 108 | 108 | 106           | 105 | 97     |
| ROOM INDEX                       | UF (total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

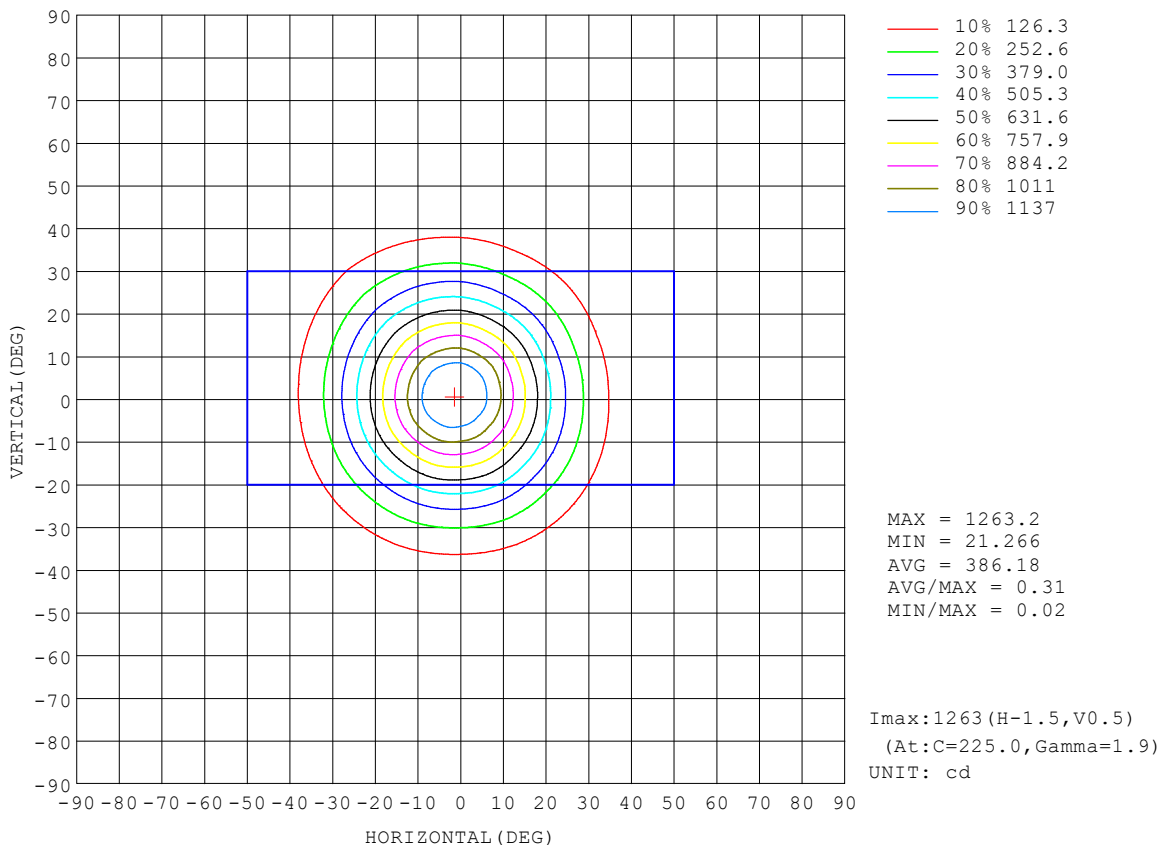
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.3°C  
 Operators:  
 Test Date: 2026-05-14

γ Range: 0 - 180DEG  
 γ Interval: 0.1DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.087m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOCANDELA DIAGRAM

|                                                                                                                     |       |                  |
|---------------------------------------------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.26V I:0.0664A P:7.6698W PF:0.9608 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:733.331x1 lm |       |                  |
| NAME: RENO-LED-AURA-3-S8W-5CCT-BK                                                                                   | TYPE: | WEIGHT:          |
| SPEC.: 5000K                                                                                                        | DIM.: | SERIAL No.:      |
| MFR.: RENO                                                                                                          | SUR.: | Shielding Angle: |

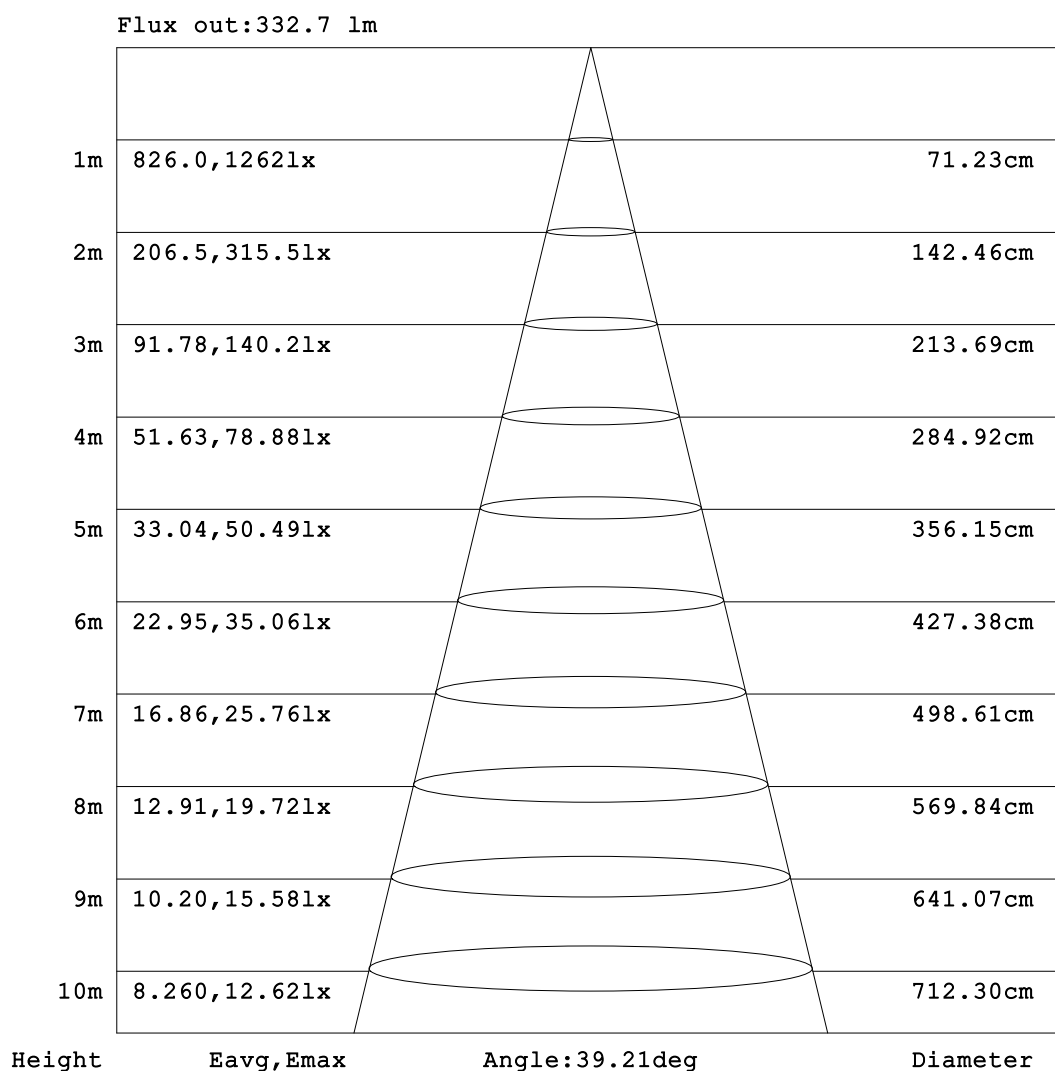


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.3℃  
Operators:  
Test Date:2026-05-14

γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.087m [K=1.0000]  
Remarks:

**EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT**
**AAI Figure**

|                                                                                                                                   |              |                         |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|
| <b>Test:U:120.26V I:0.0664A P:7.6698W PF:0.9608 Freq:59.98Hz</b><br><b>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:733.33lx1 lm</b> |              |                         |
| <b>NAME: RENO-LED-AURA-3-S8W-5CCT-BK</b>                                                                                          | <b>TYPE:</b> | <b>WEIGHT:</b>          |
| <b>SPEC.: 5000K</b>                                                                                                               | <b>DIM.:</b> | <b>SERIAL No.:</b>      |
| <b>MFR.: RENO</b>                                                                                                                 | <b>SUR.:</b> | <b>Shielding Angle:</b> |



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

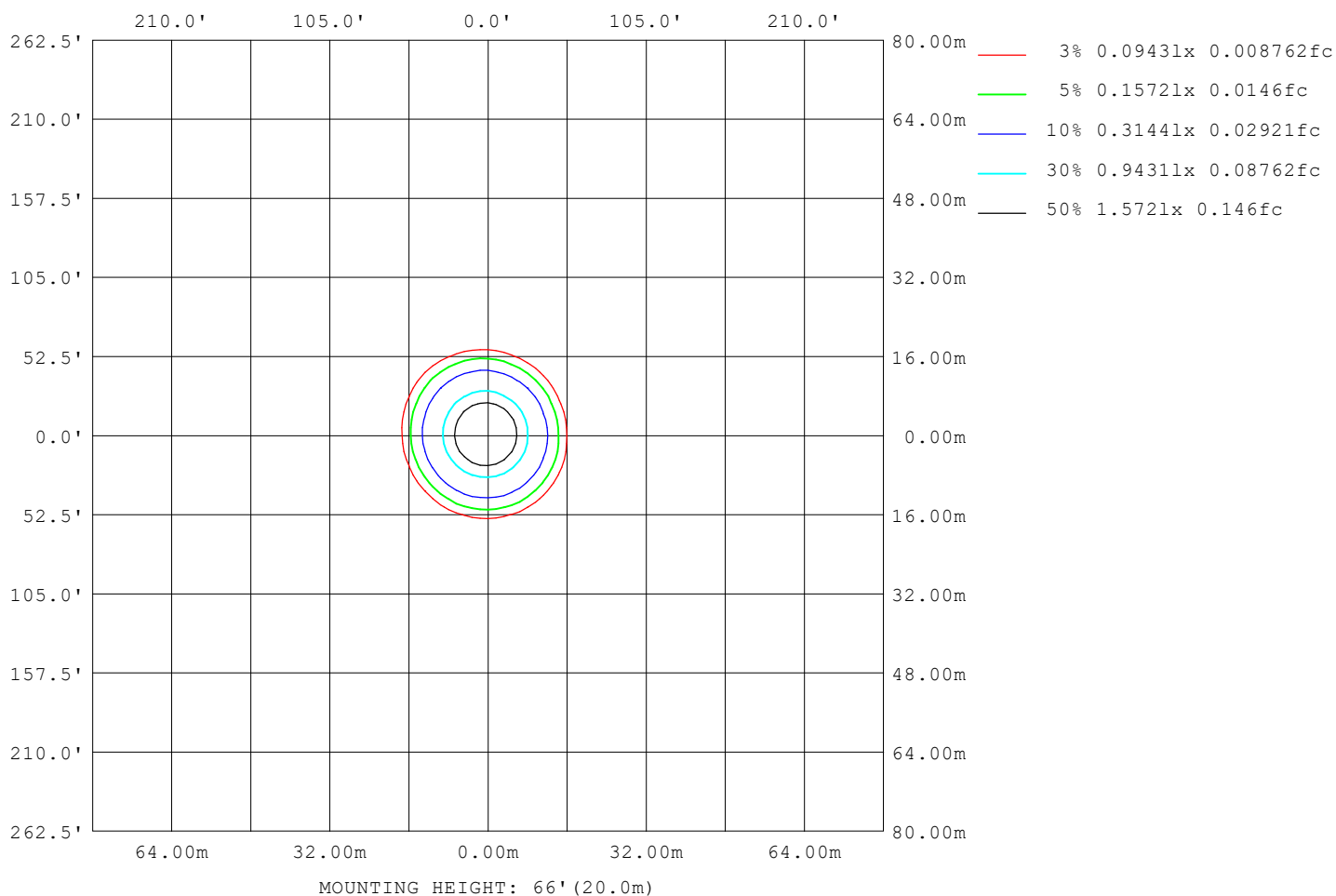
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.3℃  
 Operators:  
 Test Date:2026-05-14

γ Range: 0 - 180DEG  
 γ Interval: 0.1DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.087m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOLUX DIAGRAM

|                                                                                                                                   |              |                         |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|
| <b>Test:U:120.26V I:0.0664A P:7.6698W PF:0.9608 Freq:59.98Hz</b><br><b>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:733.331x1 lm</b> |              |                         |
| <b>NAME: RENO-LED-AURA-3-S8W-5CCT-BK</b>                                                                                          | <b>TYPE:</b> | <b>WEIGHT:</b>          |
| <b>SPEC.: 5000K</b>                                                                                                               | <b>DIM.:</b> | <b>SERIAL No.:</b>      |
| <b>MFR.: RENO</b>                                                                                                                 | <b>SUR.:</b> | <b>Shielding Angle:</b> |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.3°C  
 Operators:  
 Test Date: 2026-05-14

γ Range: 0 - 180DEG  
 γ Interval: 0.1DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.087m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LED Avg.L Report

|                                                                                                                     |       |                  |
|---------------------------------------------------------------------------------------------------------------------|-------|------------------|
| Test:U:120.26V I:0.0664A P:7.6698W PF:0.9608 Freq:59.98Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:733.331x1 lm |       |                  |
| NAME: RENO-LED-AURA-3-S8W-5CCT-BK                                                                                   | TYPE: | WEIGHT:          |
| SPEC.: 5000K                                                                                                        | DIM.: | SERIAL No.:      |
| MFR.: RENO                                                                                                          | SUR.: | Shielding Angle: |

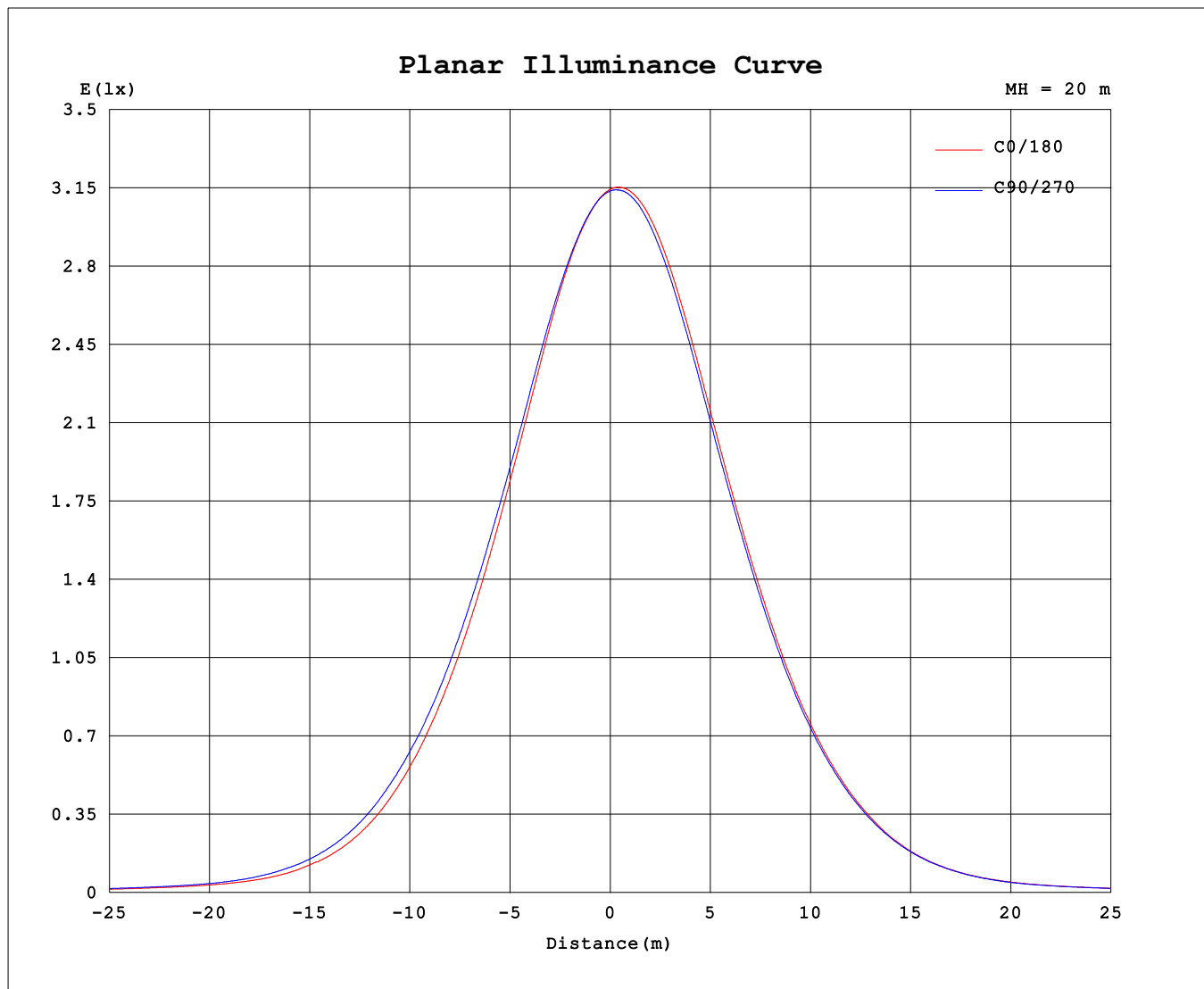
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 18047 |
| L_0~180 (75) av  | 14585 |
| L_0~180 (85) av  | 3493  |
| L_90~270 (65) av | 20197 |
| L_90~270 (75) av | 17105 |
| L_90~270 (85) av | 9963  |
| L_45 (65) av     | 19262 |
| L_45 (75) av     | 16663 |
| L_45 (85) av     | 7115  |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.3℃  
Operators:  
Test Date:2026-05-14

γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
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: 2026-05-14

γ Range: 0 - 180DEG  
 γ Interval: 0.1DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.087m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                           |       |                  |
|-----------------------------------------------------------|-------|------------------|
| Test:U:120.26V I:0.0664A P:7.6698W PF:0.9608 Freq:59.98Hz |       |                  |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:733.331x1 lm    |       |                  |
| NAME: RENO-LED-AURA-3-S8W-5CCT-BK                         | TYPE: | WEIGHT:          |
| SPEC.: 5000K                                              | DIM.: | SERIAL No.:      |
| MFR.: RENO                                                | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 22.5 | 45   | 67.5 | 90   | 112.5 | 135  | 157.5 | 180  | 202.5 | 225  | 247.5 | 270  | 292.5 | 315  | 337.5 |  |  |  |
|--------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0                  | 1256 | 1256 | 1256 | 1256 | 1256 | 1256  | 1256 | 1256  | 1256 | 1256  | 1256 | 1256  | 1256 | 1256  | 1256 | 1256  |  |  |  |
| 5                  | 1171 | 1166 | 1161 | 1169 | 1177 | 1196  | 1210 | 1227  | 1236 | 1239  | 1242 | 1234  | 1227 | 1210  | 1199 | 1182  |  |  |  |
| 10                 | 988  | 984  | 980  | 996  | 1009 | 1040  | 1064 | 1093  | 1107 | 1112  | 1119 | 1103  | 1091 | 1063  | 1040 | 1007  |  |  |  |
| 15                 | 767  | 764  | 764  | 784  | 797  | 826   | 851  | 886   | 904  | 913   | 924  | 905   | 887  | 850   | 824  | 785   |  |  |  |
| 20                 | 551  | 554  | 558  | 579  | 590  | 615   | 636  | 669   | 686  | 696   | 708  | 692   | 671  | 631   | 604  | 568   |  |  |  |
| 25                 | 367  | 371  | 376  | 396  | 406  | 426   | 443  | 468   | 482  | 494   | 508  | 494   | 471  | 433   | 409  | 379   |  |  |  |
| 30                 | 222  | 229  | 235  | 252  | 258  | 271   | 283  | 301   | 313  | 324   | 337  | 325   | 307  | 273   | 254  | 228   |  |  |  |
| 35                 | 123  | 130  | 137  | 146  | 149  | 159   | 163  | 174   | 184  | 195   | 207  | 196   | 181  | 157   | 144  | 126   |  |  |  |
| 40                 | 65.6 | 70.9 | 75.9 | 80.2 | 81.9 | 86.9  | 90.1 | 92.8  | 99.3 | 109   | 119  | 109   | 98.7 | 85.9  | 77.3 | 66.3  |  |  |  |
| 45                 | 39.9 | 41.9 | 44.1 | 47.1 | 47.5 | 49.0  | 50.8 | 52.5  | 54.7 | 60.4  | 65.9 | 59.9  | 53.4 | 46.8  | 44.3 | 40.4  |  |  |  |
| 50                 | 28.7 | 30.0 | 31.3 | 33.3 | 33.9 | 33.9  | 34.8 | 35.6  | 36.1 | 38.2  | 40.3 | 39.2  | 35.7 | 32.1  | 31.6 | 29.2  |  |  |  |
| 55                 | 22.3 | 23.0 | 24.1 | 25.2 | 25.6 | 25.2  | 25.6 | 26.2  | 26.7 | 27.9  | 28.8 | 28.0  | 26.2 | 24.2  | 23.9 | 22.4  |  |  |  |
| 60                 | 18.2 | 18.4 | 19.4 | 20.5 | 20.7 | 19.9  | 20.1 | 20.4  | 20.7 | 21.6  | 22.5 | 22.3  | 21.6 | 19.9  | 19.4 | 18.4  |  |  |  |
| 65                 | 14.0 | 14.4 | 15.8 | 16.4 | 16.3 | 15.6  | 15.8 | 16.1  | 16.5 | 17.3  | 18.1 | 18.1  | 17.8 | 16.2  | 15.2 | 14.3  |  |  |  |
| 70                 | 9.75 | 10.4 | 11.9 | 12.7 | 12.1 | 11.6  | 11.8 | 12.0  | 12.5 | 13.6  | 15.0 | 14.9  | 13.6 | 12.0  | 11.0 | 9.97  |  |  |  |
| 75                 | 6.26 | 6.78 | 7.71 | 7.41 | 8.03 | 8.05  | 8.21 | 8.49  | 8.85 | 10.0  | 11.3 | 10.9  | 9.72 | 8.12  | 7.33 | 6.38  |  |  |  |
| 80                 | 3.40 | 3.67 | 2.93 | 2.96 | 4.17 | 2.59  | 4.42 | 5.11  | 4.88 | 5.96  | 7.27 | 6.93  | 5.47 | 4.32  | 4.24 | 3.51  |  |  |  |
| 85                 | 0.33 | 0.60 | 0.60 | 2.05 | 1.78 | 0.39  | 0.40 | 1.51  | 0.97 | 1.63  | 2.62 | 3.28  | 1.74 | 1.29  | 1.51 | 0.83  |  |  |  |
| 90                 | 0.10 | 0.14 | 0.26 | 0.70 | 0.69 | 0.24  | 0.14 | 0.08  | 0.09 | 0.07  | 0.10 | 0.22  | 0.22 | 0.12  | 0.09 | 0.09  |  |  |  |
| 95                 | 0.09 | 0.10 | 0.10 | 0.16 | 0.13 | 0.15  | 0.09 | 0.08  | 0.08 | 0.07  | 0.07 | 0.07  | 0.07 | 0.07  | 0.08 | 0.08  |  |  |  |
| 100                | 0.12 | 0.13 | 0.12 | 0.12 | 0.13 | 0.12  | 0.10 | 0.10  | 0.10 | 0.09  | 0.09 | 0.10  | 0.10 | 0.10  | 0.12 | 0.10  |  |  |  |
| 105                | 0.14 | 0.16 | 0.17 | 0.15 | 0.15 | 0.13  | 0.13 | 0.12  | 0.11 | 0.12  | 0.12 | 0.13  | 0.13 | 0.13  | 0.15 | 0.13  |  |  |  |
| 110                | 0.18 | 0.19 | 0.20 | 0.19 | 0.19 | 0.17  | 0.16 | 0.15  | 0.15 | 0.15  | 0.15 | 0.16  | 0.17 | 0.16  | 0.17 | 0.16  |  |  |  |
| 115                | 0.24 | 0.25 | 0.26 | 0.25 | 0.24 | 0.22  | 0.20 | 0.19  | 0.18 | 0.18  | 0.19 | 0.20  | 0.21 | 0.21  | 0.21 | 0.21  |  |  |  |
| 120                | 0.32 | 0.33 | 0.35 | 0.34 | 0.33 | 0.29  | 0.27 | 0.25  | 0.22 | 0.24  | 0.25 | 0.26  | 0.28 | 0.28  | 0.28 | 0.28  |  |  |  |
| 125                | 0.47 | 0.49 | 0.51 | 0.50 | 0.47 | 0.42  | 0.37 | 0.35  | 0.30 | 0.32  | 0.34 | 0.36  | 0.38 | 0.39  | 0.39 | 0.40  |  |  |  |
| 130                | 0.73 | 0.75 | 0.78 | 0.76 | 0.72 | 0.63  | 0.57 | 0.53  | 0.46 | 0.48  | 0.50 | 0.54  | 0.58 | 0.59  | 0.60 | 0.62  |  |  |  |
| 135                | 1.13 | 1.15 | 1.18 | 1.14 | 1.10 | 0.96  | 0.88 | 0.81  | 0.72 | 0.75  | 0.76 | 0.82  | 0.88 | 0.91  | 0.93 | 0.97  |  |  |  |
| 140                | 1.69 | 1.72 | 1.72 | 1.65 | 1.61 | 1.43  | 1.32 | 1.25  | 1.11 | 1.13  | 1.14 | 1.23  | 1.33 | 1.37  | 1.40 | 1.49  |  |  |  |
| 145                | 2.42 | 2.43 | 2.39 | 2.24 | 2.21 | 1.99  | 1.83 | 1.80  | 1.63 | 1.63  | 1.60 | 1.75  | 1.90 | 1.95  | 2.00 | 2.14  |  |  |  |
| 150                | 3.21 | 3.19 | 2.99 | 2.79 | 2.79 | 2.53  | 2.33 | 2.33  | 2.14 | 2.10  | 2.08 | 2.27  | 2.49 | 2.54  | 2.59 | 2.89  |  |  |  |
| 155                | 3.87 | 3.78 | 3.38 | 3.15 | 3.12 | 2.91  | 2.71 | 2.77  | 2.54 | 2.52  | 2.48 | 2.69  | 2.90 | 2.98  | 3.06 | 3.43  |  |  |  |
| 160                | 3.96 | 3.84 | 3.46 | 3.25 | 3.20 | 3.03  | 2.91 | 2.92  | 2.71 | 2.71  | 2.72 | 2.91  | 3.08 | 3.19  | 3.23 | 3.63  |  |  |  |
| 165                | 3.67 | 3.58 | 3.28 | 3.13 | 3.01 | 2.96  | 2.91 | 2.88  | 2.74 | 2.75  | 2.91 | 2.94  | 3.06 | 3.14  | 3.16 | 3.50  |  |  |  |
| 170                | 3.15 | 3.07 | 3.06 | 2.92 | 2.86 | 2.87  | 2.82 | 2.71  | 2.69 | 2.67  | 2.87 | 3.01  | 3.00 | 3.04  | 3.17 | 3.12  |  |  |  |
| 175                | 2.92 | 2.97 | 2.90 | 2.68 | 2.63 | 2.68  | 2.74 | 2.52  | 2.52 | 2.53  | 2.78 | 2.89  | 2.78 | 2.76  | 2.95 | 2.95  |  |  |  |
| 180                | 2.75 | 2.74 | 2.91 | 2.75 | 2.65 | 2.66  | 2.90 | 2.72  | 2.75 | 2.73  | 2.90 | 2.76  | 2.64 | 2.67  | 2.90 | 2.73  |  |  |  |

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:24.3℃  
Operators:  
Test Date:2026-05-14

γ Range: 0 - 180DEG  
γ Interval: 0.1DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
Humidity:65.0%  
Test Distance:3.087m [K=1.0000]  
Remarks: