

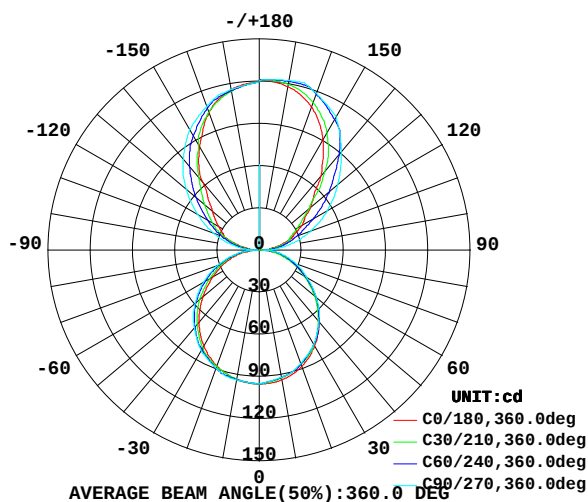
## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

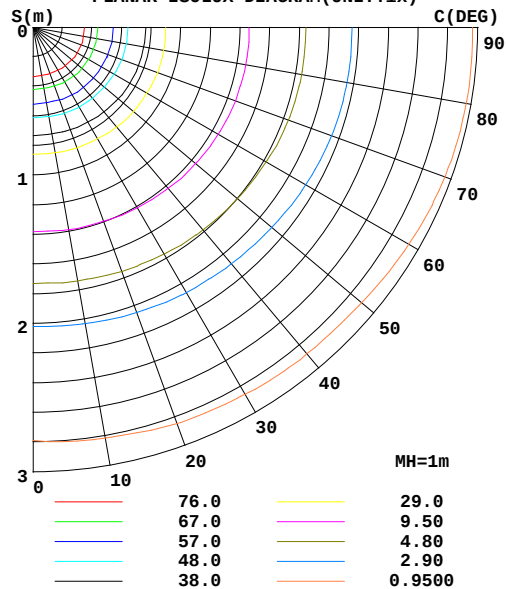
|                                                                |           |                        |
|----------------------------------------------------------------|-----------|------------------------|
| Test:U:221.2V I:0.0750A P:15.70W PF:0.9370 Lamp Flux:1680x2 lm |           |                        |
| NAME: 62R601                                                   | TYPE:     | WEIGHT:                |
| DIM.:                                                          | SPEC.:    | SERIAL No.:20230922002 |
| MFR.: LCZ                                                      | SUR.:Φ330 | PROTECTION ANGLE:      |

| DATA OF LAMP     |       | PHOTOMETRIC DATA Eff: 36.51 lm/W |         |                   |         |
|------------------|-------|----------------------------------|---------|-------------------|---------|
| MODEL            | EDS   | I <sub>max</sub> (cd)            | 123.3   | S/MH(C0/180)      | 1.24    |
| NOMINAL POWER(W) | 16    | LOR(%)                           | 17.1    | S/MH(C90/270)     | 1.28    |
| RATED VOLTAGE(V) | 222   | TOTAL FLUX(lm)                   | 573.25  | h UP,DN(C0-180)   | 4.5,4.2 |
| NOMINAL FLUX(lm) | 1680  | CIE CLASS                        | DIFFUSE | h UP,DN(C180-360) | 4.5,3.9 |
| LAMPS INSIDE     | 2     | h up(%)                          | 9.0     | CIBSE SHR NOM     | 1.25    |
| TEST VOLTAGE(V)  | 221.3 | h down(%)                        | 8.1     | CIBSE SHR MAX     | 1.35    |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:HCZ  
Test Date:2023-10-20

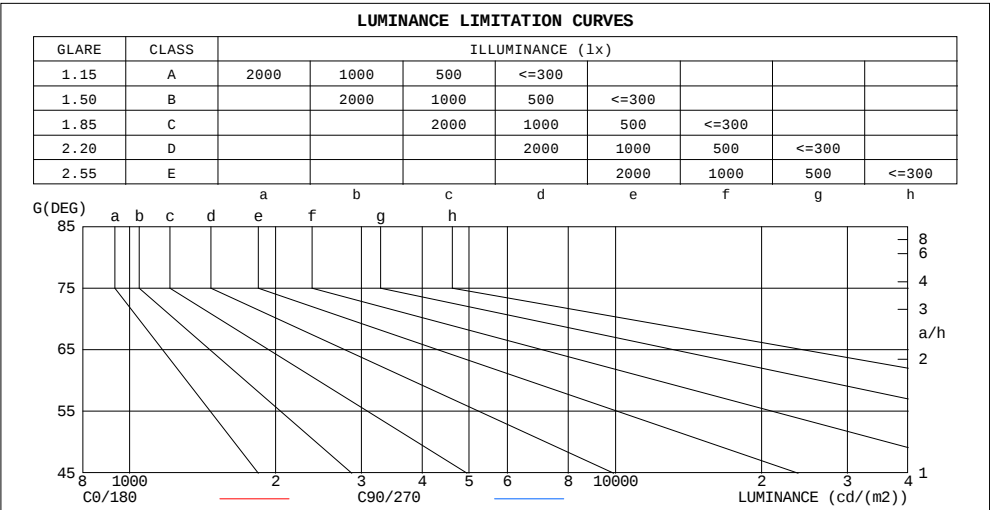
g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE G0-2000B\_V1 SYSTEM V2.0.275  
Humidity:65.0%  
Test Distance:5.835m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

### ZONAL FLUX DIAGRAM:

| g   | C0                    | C45    | C90    | C135   | C180   | C225   | C270  | C315  | g       | F zone  | F total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|-------|-------|---------|---------|---------|-----------|
| 5   | 94.89                 | 94.56  | 94.56  | 94.60  | 94.98  | 93.95  | 93.63 | 93.91 | 0- 5    | 2.264   | 2.264   | 0.39,0.07 |
| 10  | 93.57                 | 93.37  | 93.78  | 93.49  | 93.77  | 92.17  | 91.93 | 92.09 | 5- 10   | 6.697   | 8.961   | 1.56,0.27 |
| 15  | 91.28                 | 91.71  | 93.01  | 91.89  | 91.55  | 89.92  | 90.23 | 89.83 | 10- 15  | 10.91   | 19.87   | 3.47,0.59 |
| 20  | 88.05                 | 89.62  | 89.63  | 89.80  | 88.32  | 87.22  | 86.13 | 87.18 | 15- 20  | 14.76   | 34.63   | 6.04,1.03 |
| 25  | 83.95                 | 85.56  | 86.25  | 85.71  | 84.12  | 82.71  | 82.02 | 82.67 | 20- 25  | 18.03   | 52.66   | 9.19,1.57 |
| 30  | 78.96                 | 80.90  | 82.88  | 81.00  | 79.04  | 77.62  | 77.92 | 77.58 | 25- 30  | 20.68   | 73.33   | 12.8,2.18 |
| 35  | 73.23                 | 75.96  | 77.46  | 76.01  | 73.15  | 72.26  | 72.08 | 72.22 | 30- 35  | 22.61   | 95.94   | 16.7,2.86 |
| 40  | 66.83                 | 70.62  | 72.05  | 70.53  | 66.62  | 66.47  | 66.23 | 66.49 | 35- 40  | 23.69   | 119.6   | 20.9,3.56 |
| 45  | 59.93                 | 63.83  | 66.64  | 63.45  | 59.64  | 59.30  | 60.38 | 59.49 | 40- 45  | 23.98   | 143.6   | 25.1,4.27 |
| 50  | 52.64                 | 57.08  | 59.80  | 56.35  | 52.40  | 52.12  | 53.33 | 52.53 | 45- 50  | 23.48   | 167.1   | 29.1,4.97 |
| 55  | 45.19                 | 50.35  | 52.97  | 49.30  | 45.19  | 45.02  | 46.29 | 45.61 | 50- 55  | 22.17   | 189.3   | 33.5,6.3  |
| 60  | 37.97                 | 42.64  | 46.14  | 41.63  | 38.27  | 37.46  | 39.24 | 37.93 | 55- 60  | 20.24   | 209.5   | 36.5,6.24 |
| 65  | 31.27                 | 35.26  | 38.60  | 34.41  | 31.66  | 30.26  | 33.22 | 30.58 | 60- 65  | 17.85   | 227.4   | 39.7,6.77 |
| 70  | 25.02                 | 28.11  | 31.07  | 27.47  | 25.34  | 23.70  | 27.20 | 23.94 | 65- 70  | 15.17   | 242.5   | 42.3,7.22 |
| 75  | 18.45                 | 21.05  | 23.53  | 20.57  | 19.32  | 17.74  | 21.18 | 17.98 | 70- 75  | 12.26   | 254.8   | 44.4,7.58 |
| 80  | 11.24                 | 14.18  | 16.00  | 13.86  | 12.69  | 11.98  | 15.16 | 12.21 | 75- 80  | 9.123   | 263.9   | 46,7.85   |
| 85  | 1.463                 | 7.462  | 8.460  | 7.280  | 4.102  | 6.359  | 9.136 | 6.571 | 80- 85  | 5.624   | 269.5   | 47,8.02   |
| 90  | 0.2682                | 0.8094 | 0.9249 | 0.7648 | 0.3212 | 0.8143 | 3.116 | 1.014 | 85- 90  | 2.282   | 271.8   | 47.4,8.09 |
| 95  | 3.283                 | 6.749  | 9.175  | 7.239  | 4.397  | 6.328  | 11.93 | 6.741 | 90- 95  | 2.399   | 274.2   | 47.8,8.16 |
| 100 | 9.475                 | 12.77  | 17.43  | 13.82  | 9.728  | 11.86  | 20.75 | 12.54 | 95-100  | 5.878   | 280.1   | 48.9,8.34 |
| 105 | 17.17                 | 18.96  | 25.68  | 20.59  | 16.85  | 17.45  | 29.56 | 18.43 | 100-105 | 9.440   | 289.5   | 50.5,8.62 |
| 110 | 24.66                 | 25.37  | 33.93  | 27.65  | 24.20  | 23.15  | 38.38 | 24.46 | 105-110 | 12.72   | 302.2   | 52.7,9    |
| 115 | 28.90                 | 32.34  | 42.18  | 34.96  | 28.18  | 28.54  | 47.19 | 29.87 | 110-115 | 15.62   | 317.9   | 55.5,9.46 |
| 120 | 33.34                 | 39.92  | 50.43  | 42.49  | 34.83  | 34.55  | 56.01 | 36.04 | 115-120 | 18.22   | 336.1   | 58.6,10   |
| 125 | 38.50                 | 47.93  | 59.21  | 50.26  | 39.57  | 43.05  | 64.62 | 44.47 | 120-125 | 20.73   | 356.8   | 62.2,10.6 |
| 130 | 43.91                 | 54.63  | 67.99  | 57.76  | 48.05  | 56.05  | 73.24 | 57.88 | 125-130 | 22.96   | 379.8   | 66.2,11.3 |
| 135 | 51.45                 | 62.82  | 76.77  | 66.71  | 55.21  | 71.74  | 81.86 | 73.08 | 130-135 | 24.91   | 404.7   | 70.6,12   |
| 140 | 62.13                 | 72.30  | 84.22  | 76.51  | 68.42  | 85.16  | 91.04 | 86.59 | 135-140 | 26.56   | 431.2   | 75.2,12.8 |
| 145 | 75.36                 | 81.46  | 91.66  | 85.60  | 79.43  | 92.67  | 100.2 | 94.34 | 140-145 | 27.52   | 458.8   | 80,13.7   |
| 150 | 85.04                 | 90.52  | 99.11  | 94.36  | 90.70  | 100.5  | 109.4 | 100.8 | 145-150 | 26.78   | 485.5   | 84.7,14.5 |
| 155 | 95.07                 | 99.45  | 104.1  | 102.0  | 100.8  | 109.6  | 114.0 | 108.0 | 150-155 | 24.53   | 510.1   | 89,15.2   |
| 160 | 104.4                 | 107.1  | 109.0  | 108.6  | 108.6  | 116.3  | 118.7 | 110.6 | 155-160 | 21.50   | 531.6   | 92.7,15.8 |
| 165 | 111.4                 | 111.4  | 114.0  | 112.6  | 114.3  | 119.3  | 123.3 | 84.87 | 160-165 | 17.46   | 549.0   | 95.8,16.3 |
| 170 | 115.8                 | 115.0  | 115.9  | 115.8  | 118.1  | 120.8  | 122.5 | 119.7 | 165-170 | 12.90   | 561.9   | 98,16.7   |
| 175 | 118.5                 | 117.6  | 117.7  | 118.2  | 120.2  | 121.1  | 121.7 | 120.4 | 170-175 | 8.455   | 570.4   | 99.5,17   |
| 180 | 119.6                 | 119.6  | 119.6  | 119.6  | 120.8  | 120.8  | 120.8 | 120.8 | 175-180 | 2.863   | 573.2   | 100,17.1  |
| DEG | LUMINOUS INTENSITY:cd |        |        |        |        |        |       |       |         | UNIT:lm |         |           |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(°)              | C0/180 | C90/270 |
| 85                | 55965  | 323565  |
| 80                | 215690 | 307046  |
| 75                | 237656 | 303051  |
| 70                | 243803 | 302769  |
| 65                | 246603 | 304460  |
| 60                | 253126 | 307576  |
| 55                | 262637 | 307831  |
| 50                | 272953 | 310119  |
| 45                | 282499 | 314121  |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:HCZ  
Test Date:2023-10-20

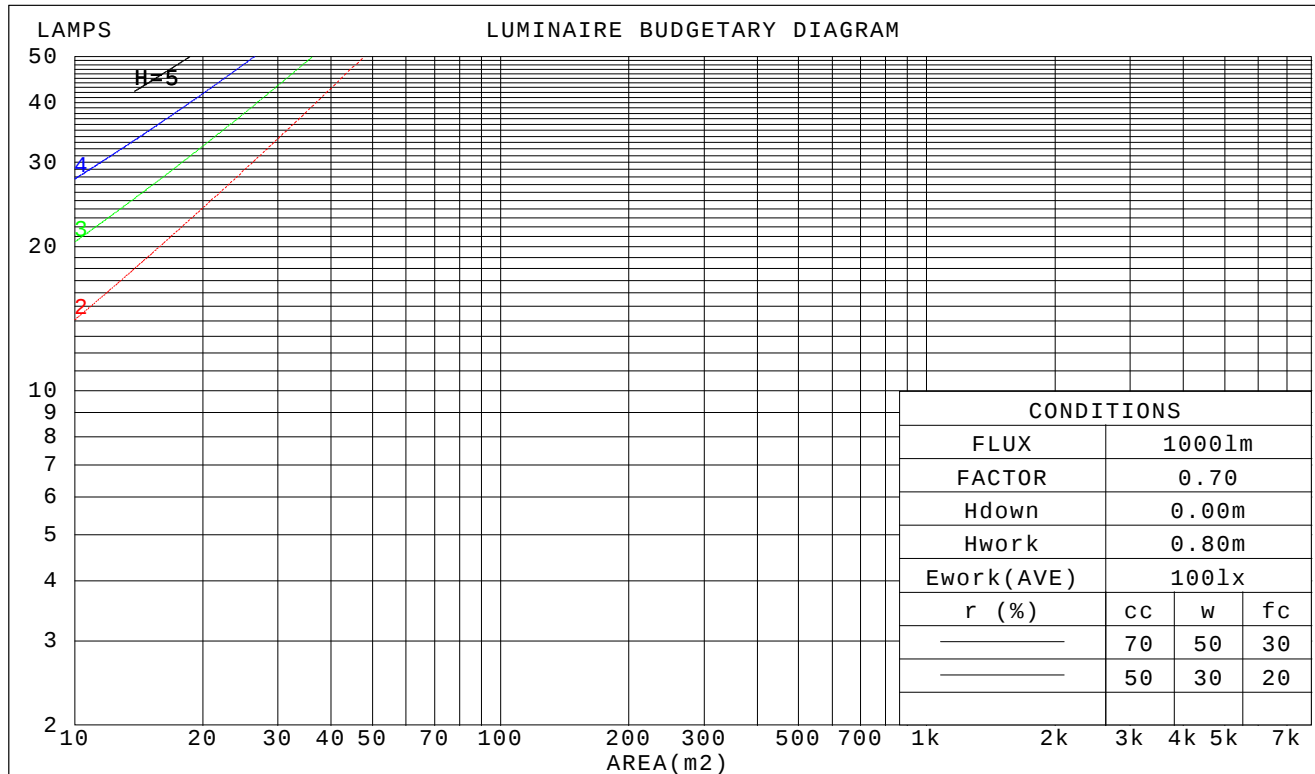
g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
Humidity:65.0%  
Test Distance:5.835m [K=1.0000]  
Remarks:

## EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                |           |                        |
|----------------------------------------------------------------|-----------|------------------------|
| Test:U:221.2V I:0.0750A P:15.70W PF:0.9370 Lamp Flux:1680x2 lm |           |                        |
| NAME: 62R601                                                   | TYPE:     | WEIGHT:                |
| DIM.:                                                          | SPEC.:    | SERIAL No.:20230922002 |
| MFR.: LCZ                                                      | SUR.:Φ330 | PROTECTION ANGLE:      |

| rcc  | 80%                   |     |     | 70% |     |     | 50%                             |     |     | 30% |     |     | 10% |     |     | 0   |
|------|-----------------------|-----|-----|-----|-----|-----|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| rw   | 50%                   | 30% | 10% | 50% | 30% | 10% | 50%                             | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0   |
| rfc  | 20%                   |     |     | 20% |     |     | 20%                             |     |     | 20% |     |     | 20% |     |     | 0   |
| RCR  | RCR:Room Cavity Ratio |     |     |     |     |     | Coefficients of Utilization(CU) |     |     |     |     |     |     |     |     |     |
| 0.0  | .18                   | .18 | .18 | .17 | .17 | .17 | .14                             | .14 | .14 | .11 | .11 | .11 | .09 | .09 | .09 | .08 |
| 1.0  | .16                   | .15 | .14 | .15 | .14 | .13 | .12                             | .12 | .11 | .10 | .10 | .09 | .08 | .08 | .08 | .07 |
| 2.0  | .14                   | .13 | .12 | .13 | .12 | .11 | .11                             | .10 | .09 | .09 | .08 | .08 | .07 | .07 | .06 | .06 |
| 3.0  | .12                   | .11 | .10 | .11 | .10 | .09 | .09                             | .08 | .08 | .08 | .07 | .07 | .06 | .06 | .05 | .05 |
| 4.0  | .11                   | .09 | .08 | .10 | .09 | .08 | .08                             | .07 | .07 | .07 | .06 | .06 | .05 | .05 | .05 | .04 |
| 5.0  | .09                   | .08 | .07 | .09 | .07 | .07 | .07                             | .06 | .06 | .06 | .05 | .05 | .05 | .04 | .04 | .03 |
| 6.0  | .08                   | .07 | .06 | .08 | .07 | .06 | .07                             | .06 | .05 | .06 | .05 | .04 | .04 | .04 | .04 | .03 |
| 7.0  | .08                   | .06 | .05 | .07 | .06 | .05 | .06                             | .05 | .04 | .05 | .04 | .04 | .04 | .04 | .03 | .03 |
| 8.0  | .07                   | .06 | .05 | .06 | .05 | .04 | .05                             | .05 | .04 | .05 | .04 | .03 | .04 | .03 | .03 | .02 |
| 9.0  | .06                   | .05 | .04 | .06 | .05 | .04 | .05                             | .04 | .03 | .04 | .03 | .03 | .03 | .03 | .02 | .02 |
| 10.0 | .06                   | .05 | .04 | .05 | .04 | .04 | .05                             | .04 | .03 | .04 | .03 | .03 | .03 | .03 | .02 | .02 |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30DEG  
 Operators:HCZ  
 Test Date:2023-10-20

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:5.835m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## WEC AND CCEC

|                                                                |  |  |  |  |  |           |  |  |                        |  |  |
|----------------------------------------------------------------|--|--|--|--|--|-----------|--|--|------------------------|--|--|
| Test:U:221.2V I:0.0750A P:15.70W PF:0.9370 Lamp Flux:1680x2 lm |  |  |  |  |  |           |  |  |                        |  |  |
| NAME: 62R601                                                   |  |  |  |  |  | TYPE:     |  |  | WEIGHT:                |  |  |
| DIM.:                                                          |  |  |  |  |  | SPEC.:    |  |  | SERIAL No.:20230922002 |  |  |
| MFR.: LCZ                                                      |  |  |  |  |  | SUR.:Φ330 |  |  | PROTECTION ANGLE:      |  |  |

|      |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| rcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
| rw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| rfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .049                  | .028 | .009 | .045 | .026 | .008 | .038                            | .022 | .007 | .031 | .018 | .006 | .025 | .015 | .005 |   |
| 2.0  | .045                  | .025 | .008 | .042 | .023 | .007 | .035                            | .020 | .006 | .029 | .016 | .005 | .023 | .013 | .004 |   |
| 3.0  | .042                  | .022 | .007 | .039 | .021 | .006 | .032                            | .018 | .005 | .027 | .015 | .005 | .022 | .012 | .004 |   |
| 4.0  | .039                  | .020 | .006 | .036 | .019 | .006 | .030                            | .016 | .005 | .025 | .013 | .004 | .020 | .011 | .003 |   |
| 5.0  | .036                  | .018 | .005 | .033 | .017 | .005 | .028                            | .014 | .004 | .023 | .012 | .004 | .018 | .010 | .003 |   |
| 6.0  | .033                  | .017 | .005 | .031 | .015 | .004 | .026                            | .013 | .004 | .021 | .011 | .003 | .017 | .009 | .003 |   |
| 7.0  | .031                  | .015 | .004 | .029 | .014 | .004 | .024                            | .012 | .004 | .020 | .010 | .003 | .016 | .008 | .002 |   |
| 8.0  | .029                  | .014 | .004 | .027 | .013 | .004 | .023                            | .011 | .003 | .019 | .009 | .003 | .015 | .008 | .002 |   |
| 9.0  | .027                  | .013 | .004 | .025 | .012 | .003 | .021                            | .010 | .003 | .018 | .009 | .003 | .014 | .007 | .002 |   |
| 10.0 | .025                  | .012 | .003 | .024 | .011 | .003 | .020                            | .010 | .003 | .017 | .008 | .002 | .013 | .007 | .002 |   |

|      |                       |      |      |      |      |      |                                            |      |      |      |      |      |      |      |      |   |  |
|------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|--|
| rcc  | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |  |
| rw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |  |
| rfc  | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |  |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  | .101                  | .101 | .101 | .086 | .086 | .086 | .059                                       | .059 | .059 | .034 | .034 | .034 | .011 | .011 | .011 |   |  |
| 1.0  | .099                  | .096 | .092 | .085 | .082 | .079 | .058                                       | .056 | .055 | .033 | .033 | .032 | .011 | .011 | .010 |   |  |
| 2.0  | .098                  | .092 | .087 | .084 | .079 | .075 | .058                                       | .055 | .052 | .033 | .032 | .031 | .011 | .010 | .010 |   |  |
| 3.0  | .097                  | .089 | .083 | .083 | .077 | .072 | .057                                       | .053 | .050 | .033 | .031 | .030 | .011 | .010 | .010 |   |  |
| 4.0  | .096                  | .087 | .081 | .082 | .075 | .070 | .057                                       | .053 | .049 | .033 | .031 | .029 | .011 | .010 | .010 |   |  |
| 5.0  | .095                  | .086 | .079 | .081 | .074 | .069 | .056                                       | .052 | .048 | .032 | .030 | .029 | .010 | .010 | .009 |   |  |
| 6.0  | .094                  | .084 | .078 | .081 | .073 | .068 | .056                                       | .051 | .048 | .032 | .030 | .028 | .010 | .010 | .009 |   |  |
| 7.0  | .093                  | .083 | .077 | .080 | .072 | .067 | .055                                       | .051 | .047 | .032 | .030 | .028 | .010 | .010 | .009 |   |  |
| 8.0  | .092                  | .082 | .076 | .079 | .072 | .066 | .055                                       | .050 | .047 | .032 | .030 | .028 | .010 | .010 | .009 |   |  |
| 9.0  | .091                  | .082 | .076 | .078 | .071 | .066 | .054                                       | .050 | .047 | .032 | .029 | .028 | .010 | .010 | .009 |   |  |
| 10.0 | .090                  | .081 | .075 | .077 | .070 | .066 | .054                                       | .050 | .047 | .031 | .029 | .028 | .010 | .010 | .009 |   |  |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30DEG  
 Operators:HCZ  
 Test Date:2023-10-20

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:5.835m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## Uncorrected UGR Table

|                                                                |                  |      |      |      |           |                |      |                        |      |      |
|----------------------------------------------------------------|------------------|------|------|------|-----------|----------------|------|------------------------|------|------|
| Test:U:221.2V I:0.0750A P:15.70W PF:0.9370 Lamp Flux:1680x2 lm |                  |      |      |      |           |                |      |                        |      |      |
| NAME: 62R601                                                   |                  |      |      |      | TYPE:     |                |      | WEIGHT:                |      |      |
| DIM.:                                                          |                  |      |      |      | SPEC.:    |                |      | SERIAL No.:20230922002 |      |      |
| MFR.: LCZ                                                      |                  |      |      |      | SUR.:Φ330 |                |      | PROTECTION 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                                                  | 28.7             | 29.7 | 29.6 | 30.6 | 31.7      | 29.5           | 30.5 | 30.4                   | 31.4 | 32.5 |
| 3H                                                             | 30.2             | 31.0 | 31.1 | 31.9 | 33.1      | 31.2           | 32.0 | 32.1                   | 32.9 | 34.1 |
| 4H                                                             | 30.8             | 31.6 | 31.8 | 32.6 | 33.7      | 31.9           | 32.7 | 32.9                   | 33.6 | 34.8 |
| 6H                                                             | 31.4             | 32.1 | 32.3 | 33.0 | 34.2      | 32.5           | 33.3 | 33.5                   | 34.2 | 35.4 |
| 8H                                                             | 31.4             | 32.1 | 32.4 | 33.1 | 34.3      | 32.8           | 33.5 | 33.7                   | 34.4 | 35.6 |
| 12H                                                            | 31.4             | 32.1 | 32.3 | 33.0 | 34.2      | 32.9           | 33.6 | 33.9                   | 34.5 | 35.8 |
| 4H 2H                                                          | 29.3             | 30.1 | 30.2 | 31.0 | 32.2      | 29.9           | 30.7 | 30.8                   | 31.6 | 32.8 |
| 3H                                                             | 31.0             | 31.6 | 31.9 | 32.6 | 33.8      | 31.8           | 32.4 | 32.7                   | 33.4 | 34.6 |
| 4H                                                             | 31.7             | 32.3 | 32.7 | 33.3 | 34.6      | 32.6           | 33.2 | 33.6                   | 34.2 | 35.5 |
| 6H                                                             | 32.4             | 32.9 | 33.4 | 33.9 | 35.2      | 33.4           | 33.9 | 34.4                   | 34.9 | 36.2 |
| 8H                                                             | 32.6             | 33.0 | 33.6 | 34.0 | 35.3      | 33.7           | 34.2 | 34.7                   | 35.2 | 36.5 |
| 12H                                                            | 32.6             | 33.0 | 33.6 | 34.0 | 35.3      | 33.9           | 34.4 | 34.9                   | 35.4 | 36.7 |
| 8H 4H                                                          | 32.0             | 32.5 | 33.0 | 33.5 | 34.8      | 32.8           | 33.3 | 33.8                   | 34.3 | 35.6 |
| 6H                                                             | 32.9             | 33.3 | 33.9 | 34.3 | 35.6      | 33.7           | 34.1 | 34.7                   | 35.1 | 36.5 |
| 8H                                                             | 33.1             | 33.5 | 34.2 | 34.5 | 35.9      | 34.1           | 34.5 | 35.2                   | 35.5 | 36.9 |
| 12H                                                            | 33.3             | 33.6 | 34.3 | 34.6 | 36.0      | 34.5           | 34.8 | 35.5                   | 35.8 | 37.2 |
| 12H 4H                                                         | 32.0             | 32.5 | 33.0 | 33.5 | 34.8      | 32.8           | 33.2 | 33.8                   | 34.2 | 35.5 |
| 6H                                                             | 32.9             | 33.3 | 34.0 | 34.3 | 35.7      | 33.7           | 34.1 | 34.8                   | 35.1 | 36.5 |
| 8H                                                             | 33.3             | 33.6 | 34.3 | 34.6 | 36.0      | 34.2           | 34.5 | 35.3                   | 35.5 | 36.9 |
| Variations with the observer position at spacings:             |                  |      |      |      |           |                |      |                        |      |      |
| S = 1.0H                                                       | + 0.1 / - 0.2    |      |      |      |           | + 0.1 / - 0.2  |      |                        |      |      |
| 1.5H                                                           | + 0.2 / - 0.3    |      |      |      |           | + 0.2 / - 0.3  |      |                        |      |      |
| 2.0H                                                           | + 0.1 / - 0.3    |      |      |      |           | + 0.1 / - 0.3  |      |                        |      |      |

CIE Pub.117 Corrected 3360 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.2)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:HCZ  
Test Date:2023-10-20

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
Humidity:65.0%  
Test Distance:5.835m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## UTILIZATION FACTORS TABLE

|                                                                |           |                        |
|----------------------------------------------------------------|-----------|------------------------|
| Test:U:221.2V I:0.0750A P:15.70W PF:0.9370 Lamp Flux:1680x2 lm |           |                        |
| NAME: 62R601                                                   | TYPE:     | WEIGHT:                |
| DIM.:                                                          | SPEC.:    | SERIAL No.:20230922002 |
| MFR.: LCZ                                                      | SUR.:Φ330 | PROTECTION 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 7                                                   | 5   | 4         | 7   | 5   | 4   | 6   | 5             | 4   | 3      |
| 0.80                             | 9                                                   | 7   | 6         | 8   | 7   | 5   | 7   | 6             | 5   | 3      |
| 1.00                             | 10                                                  | 8   | 7         | 10  | 8   | 7   | 8   | 7             | 6   | 4      |
| 1.25                             | 11                                                  | 10  | 8         | 11  | 9   | 8   | 9   | 8             | 7   | 5      |
| 1.50                             | 12                                                  | 10  | 9         | 11  | 10  | 9   | 10  | 9             | 8   | 5      |
| 2.00                             | 14                                                  | 12  | 11        | 13  | 11  | 10  | 11  | 10            | 9   | 6      |
| 2.50                             | 14                                                  | 13  | 12        | 13  | 12  | 11  | 11  | 10            | 9   | 6      |
| 3.00                             | 15                                                  | 14  | 12        | 14  | 13  | 12  | 12  | 11            | 10  | 6      |
| 4.00                             | 16                                                  | 15  | 14        | 14  | 13  | 13  | 12  | 11            | 11  | 7      |
| 5.00                             | 16                                                  | 15  | 14        | 15  | 14  | 13  | 12  | 12            | 11  | 7      |
| ROOM INDEX                       | UF(total)                                           |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                     |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

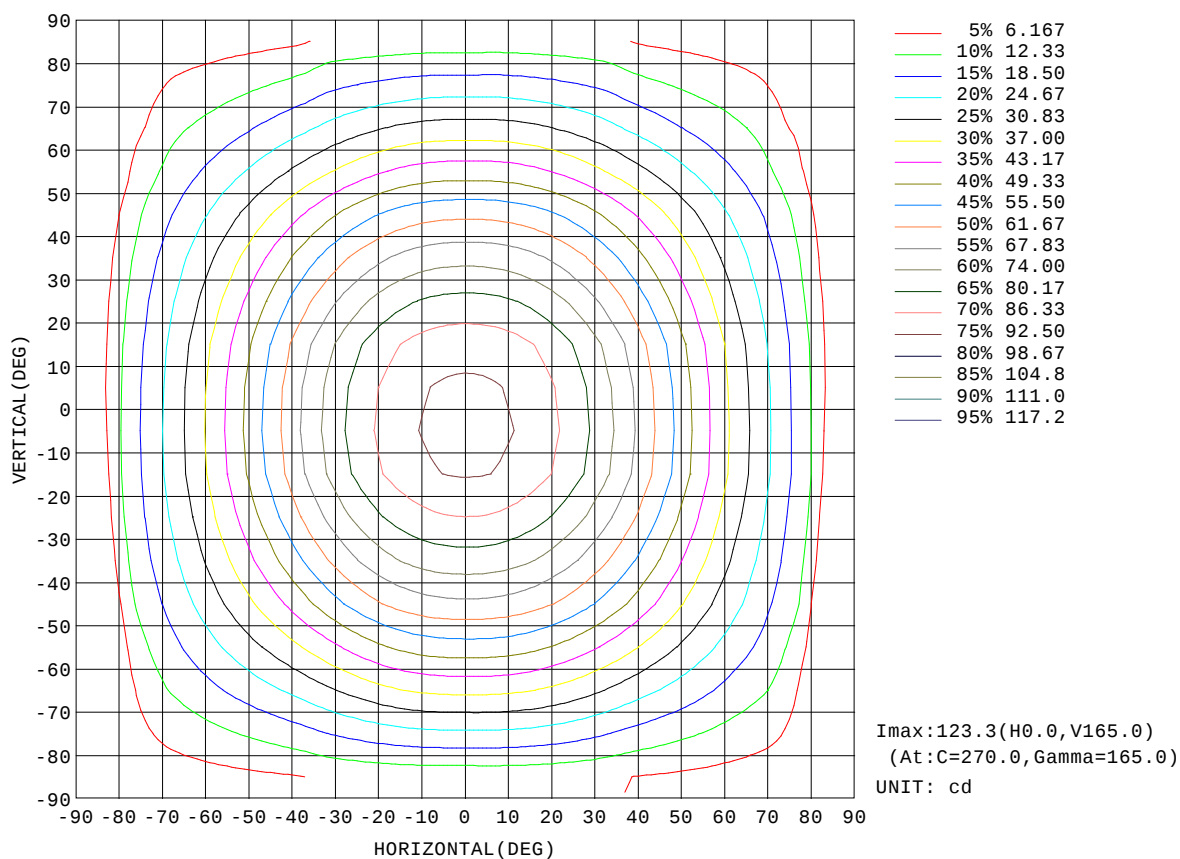
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30DEG  
 Operators:HCZ  
 Test Date:2023-10-20

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:5.835m [K=1.0000]  
 Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOCANDELA DIAGRAM

|                                                                |           |                        |
|----------------------------------------------------------------|-----------|------------------------|
| Test:U:221.2V I:0.0750A P:15.70W PF:0.9370 Lamp Flux:1680x2 lm |           |                        |
| NAME: 62R601                                                   | TYPE:     | WEIGHT:                |
| DIM.:                                                          | SPEC.:    | SERIAL No.:20230922002 |
| MFR.: LCZ                                                      | SUR.:Φ330 | PROTECTION ANGLE:      |



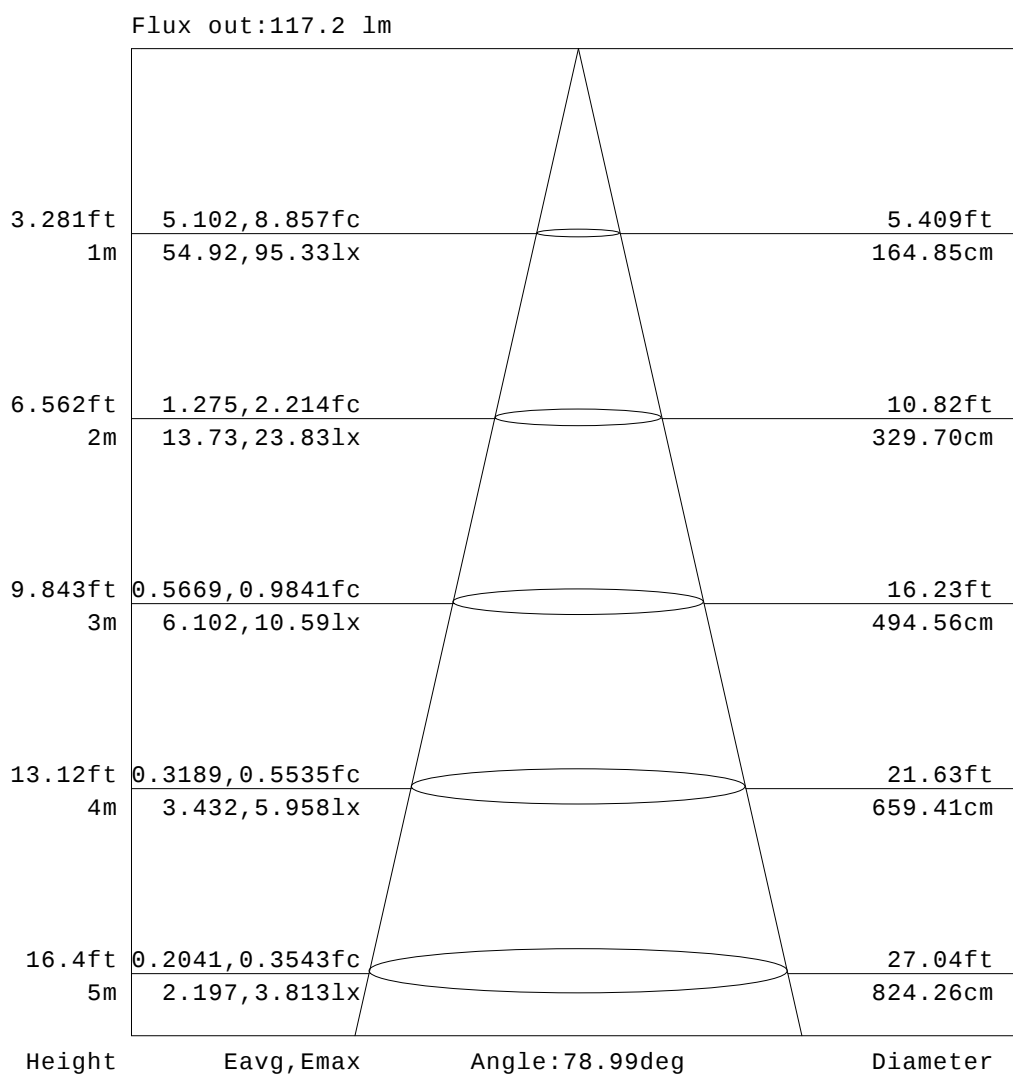
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:HCZ  
Test Date:2023-10-20

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
Humidity:65.0%  
Test Distance:5.835m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## AAI Figure

|                                                                |           |                        |
|----------------------------------------------------------------|-----------|------------------------|
| Test:U:221.2V I:0.0750A P:15.70W PF:0.9370 Lamp Flux:1680x2 lm |           |                        |
| NAME: 62R601                                                   | TYPE:     | WEIGHT:                |
| DIM.:                                                          | SPEC.:    | SERIAL No.:20230922002 |
| MFR.: LCZ                                                      | SUR.:Φ330 | PROTECTION ANGLE:      |



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

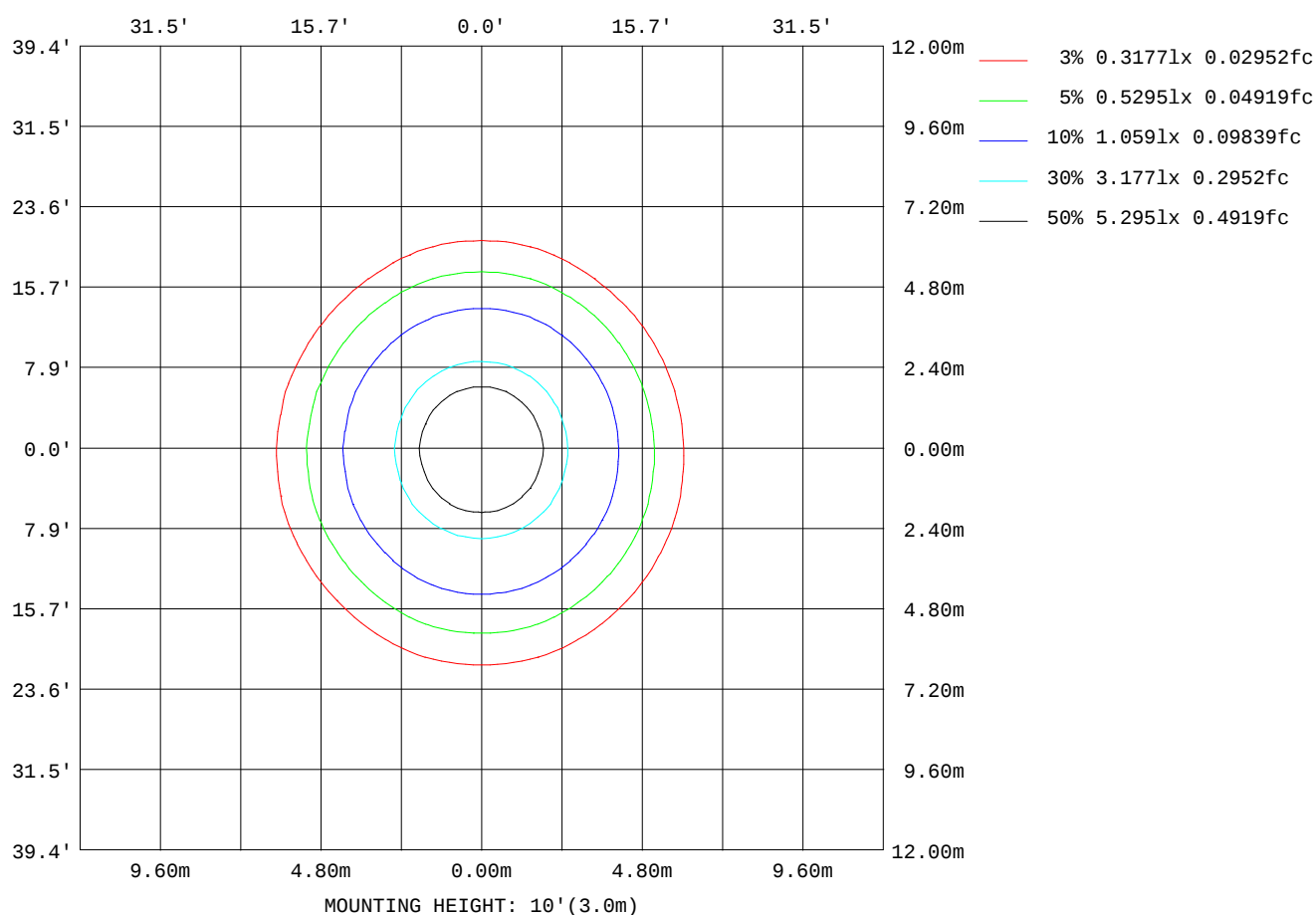
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:HCZ  
Test Date:2023-10-20

g Range: 0 - 180DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
Humidity:65.0%  
Test Distance:5.835m [K=1.0000]  
Remarks:

# EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOLUX DIAGRAM

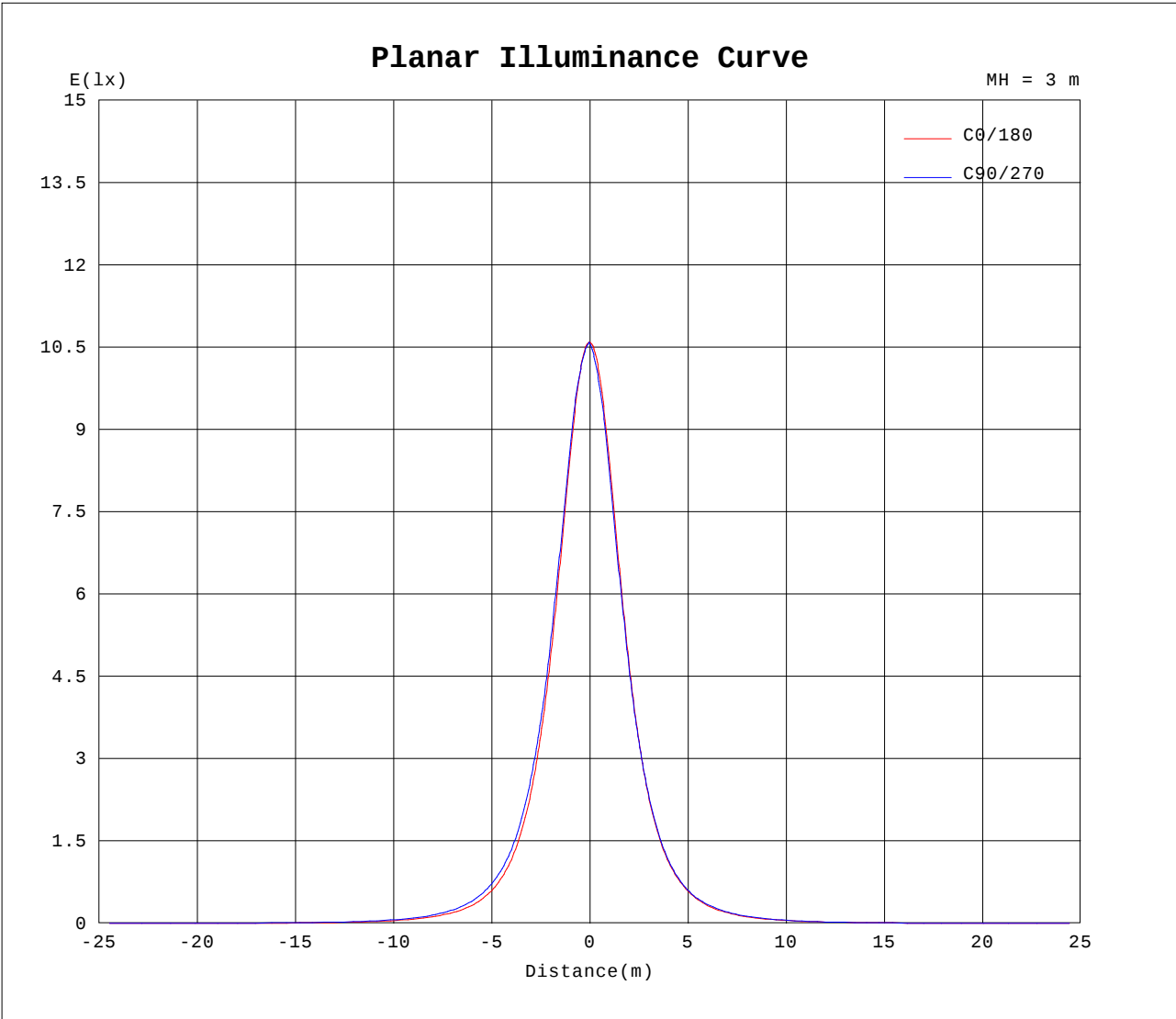
|                                                                |           |                        |
|----------------------------------------------------------------|-----------|------------------------|
| Test:U:221.2V I:0.0750A P:15.70W PF:0.9370 Lamp Flux:1680x2 lm |           |                        |
| NAME: 62R601                                                   | TYPE:     | WEIGHT:                |
| DIM.:                                                          | SPEC.:    | SERIAL No.:20230922002 |
| MFR.: LCZ                                                      | SUR.:Φ330 | PROTECTION ANGLE:      |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30DEG  
 Operators:HCZ  
 Test Date:2023-10-20

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.275  
 Humidity:65.0%  
 Test Distance:5.835m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



|                      |                                                  |
|----------------------|--------------------------------------------------|
| C Range: 0 - 360DEG  | g Range: 0 - 180DEG                              |
| C Interval: 5.0DEG   | g Interval: 0.5DEG                               |
| Test Speed: HIGH     | Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275 |
| Temperature:30DEG    | Humidity:65.0%                                   |
| Operators:HCZ        | Test Distance:5.835m [K=1.0000]                  |
| Test Date:2023-10-20 | Remarks:                                         |